

Scoreboard Operator's Instructions

MPCW-7 Control



Some features on the keyboard overlay may not be included on the particular model being operated.



Since 1934

Retain this manual in your permanent files

These Instructions are for the Following Models:

<u>LED models:</u>			<u>Incandescent models:</u>		
36xx	1515	7505	3400	1015	7005
	1520	7516	3402	1415	7405
88xx	1525	7520	3404	1020	7415
		7525	3414	1025	7416
76xx	1632	7530	3415	3002	7425
	1615		3416	3016	7430
56xx	1620	7504	3425	3025	
	1625	7524	3434	3030	7404
		7680	3455		7424
	9505	7685			
	9515	86xx	9405		
		2700			
		2702			
		2740			
	9605				
		82xx			
	9715	84xx			
	3502	3520			
	3504	3525			
	3514	3534			
	3515	3550			
	3516	3555			

SOCCER

Thank You

Thank You for choosing NEVCO. We appreciate your business.

The following instructions will help you become familiar with the operation and features of the scoreboard system.
Please take a few minutes to study this manual, and to practice with the control.

If you ever have any questions or comments, please call or email us.

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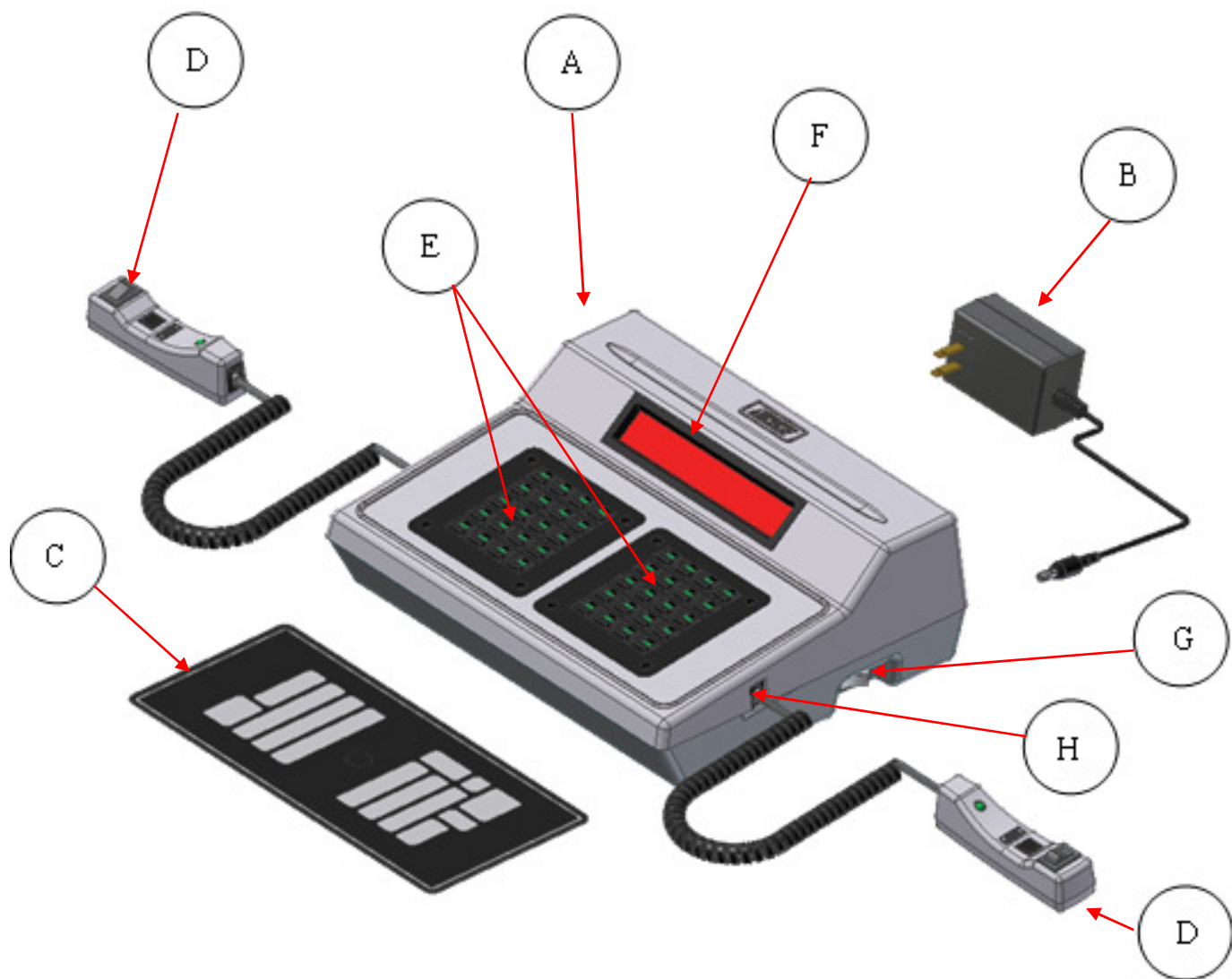


Figure 1 – MPCW Control (front view)

A.	MPCW Control	Can operate scoreboards for a wide range of sports and features.
B.	Power Supply	9 V DC (included with the control)
C.	Overlay	Fits on top of control to label the keys (included with system)
D.	Hand Held Switch	A TCS-7 time control switch is included with each control. Other switches are included with the accessories they operate.
E.	Keypads	Left and Right (20 keys each)
F.	16 character display	Bright LED for better visibility
G.	Power On / Off switch	Removes power from the control only (does NOT turn power off to scoreboard)
H.	Jack for hand held switch	One on each side of control (use either jack for any Hand Held switch)

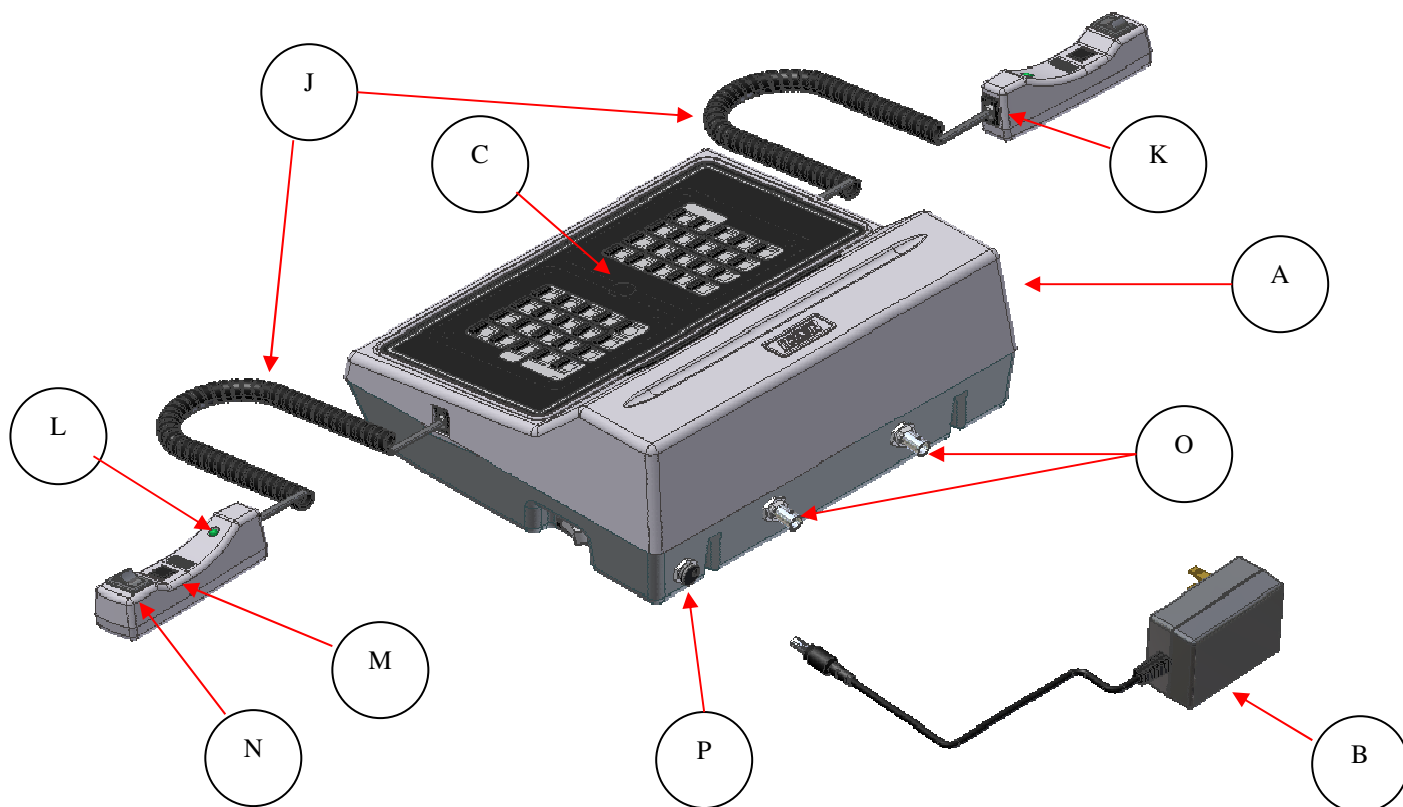


Figure 2 – MPCW Control (rear view)

A.	MPCW Control	Universal – to change sports, change the Overlay and enter the new Model Code.
B.	Power Supply	9 V DC (included with control)
C.	Overlay	For the sports used with the scoreboard
J.	Coiled Cord	Stretches to over 4 ft. (included with switch)
K.	Socket for coiled cord	Makes it easy to replace the cord
L.	LED test indicator	Verifies that the Hand Held switch is working
M.	Remote push button switch	Function depends on type of Hand Held switch (on TCS-7 – sounds the horn)
N.	Remote rocker switch	Function depends on type of Hand Held switch (on TCS-7 – controls the time)
O.	Output to scoreboard	BNC connector for coax cable (use either or both as needed)
P.	Jack for power input	9 V DC

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SETUP

Upon first power up of the MPCW-7 control the control is configured to operate with an x6xx scoreboard as a soccer control.

New Sport

Scroll Profiles changes the MPCW-7's input and output to operate a new sport. Profiles settings are set with the last profile loaded or saved in that sport. To change sports:

Place the desired sport overlay on the control.

Press  the MPCW-7 will display.



##-SPORT



Press YES once the desired sport is entered, the control will then change to the sport.

Scoreboard Model


The scoreboard model setting must be set to match the scoreboard being operated.

It is highly recommended to create a profile to save this setting if the MPCW-7 is going to be used to control multiple board models.

Scoreboard model will be fully covered in the Sport OPTIONS portion of this manual


NOTE: The scoreboard model should be set before connecting to a Scoreboard.

To change the scoreboard model:

1. Press  until the MPCW-7 displays

Model >>

2. Press 

3. Press  until the desired scoreboard series is displayed

4. Press 

Wireless

- The MPCW-7 can operate one or more selectable wireless receivers depending on the customer's need.
- The receivers can be linked or unlinked depending on the operational requirements at game time.

It is strongly recommended to save wireless settings in each profile used.






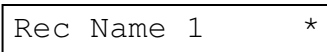
Different wireless settings should be saved to different profiles.

Note: The receiver desired to be linked has to be programmed into the MPCW-7.

To do this follow the instructions in the OPTIONS section of this manual.


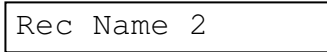
Wireless will be further explained in the OPTIONS portion of this manual

To Link or Unlink receivers:

1. Press  until the MPCW-7 displays 
2. Press  MPCW-7 will display 
3. Press  MPCW-7 should display the first receiver in the list. 

Press YES again to link or unlink that receiver. The “*” displayed on the control next to the receiver name means the receiver is linked





4. To link another receiver:

- Press  to cycle through available receivers. 
- Press YES to link that receiver

Creating a Profile

A profile needs to be created after the scoreboard model and wireless settings are set. It is recommended to save this profile to profile number 1.



To create a profile:

1. Press  until the MPCW-7 displays. Profiles >>
2. Press  MPCW-7 will display. Load Profile
3. Press  until the MPCW-7 displays. Save Profile
4. Press  MPCW-7 will display. Profile(##): ◀

Enter the profile number and name using the keyboard.

Refer to the top of the overlay for what to enter into the control.





- The letters are on the right side of the keys.
- If the wrong profile is entered press NO/CANCEL and begin again

5. Press  MPCW-7 will save profile and will display. 1-MY PROFILE_
6. Press  to verify profile, MPCW-7 will display. 1-MY PROFILE

For more information about profiles refer to the OPTIONS section of this manual

Note: A default profile for each sport is programmed at the factory for your scoreboard model. If you wish to use a different profile you must turn off the default lock setting before you can load the profile you have created. Each time the control is powered on the default lock is automatically turned on.

To Turn off the Profile Default Lock:

1. Press  until the MPCW-7 displays Profiles >>
2. Press  MPCW-7 will display Load Profile
3. Press  until the MPCW-7 displays Default Lock*
4. Press  to turn the default lock off Default Lock

START UP

New Game

Scroll Profiles changes the MPCW-7's input and output to operate a new game or sport. Profiles settings are set with the last profile loaded or saved in that sport. To start a new game or sport:



Press  the MPCW-7 will display.

##-PROFILE NAME


Enter the profile name using the keyboard or continue to press

Scroll Profiles until the desired profile is displayed.

Refer to the top of the overlay for what to enter into the control.

- The letters are on the right side of the keys.
- All sports are entered in all capital letters
- Once the control can distinguish the sport entered it will auto complete the rest
- If the wrong sport is entered press NO/CANCEL and begin again

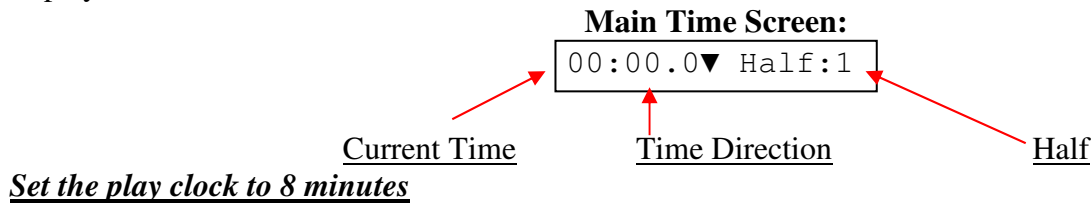




Press  when the desired profile is displayed, the control will then change to that profile.



For more information about profiles refer to the options menu section of this manual


QUICK START GUIDE

With the scoreboard on and the control on the main time screen you are ready to set the time for the first half of play.



Press   The control will show Time: MM:SS.s◀

Press   The control will show Time: 08:SS.s◀

Press  The control will show 08:00.0▼ Half:1

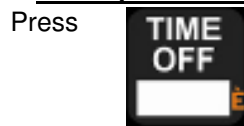
You are now ready for the game to begin.

To Start the Clock



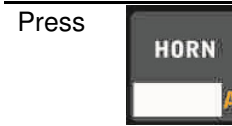
or use hand-held switch

To Stop the Clock





or use hand-held switch



To Silence Auto Horn





Score

Press  or 

To Add To Shots



Press  or 

Saves



Press  or 

Then press a number key to add to the total value

Penalties

Press  or 

To Add To Corner Kicks

Press  or 

Then press the number key to add to the total value

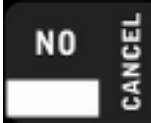
Keyboard Function

YES key



Use to accept settings, confirm data input, and to navigate through options menu

NO key



Use to cancel an operation, reset changes in the process of making them, exit a sub-option menu, and to send the MPCW-7 back to the screen that displays the name of the sport being played.

SET key



Use ahead of a function key to directly enter a value, set times, and correct errors. These functions will be further described throughout the manual

HORN key



Press to sound the scoreboard horn. Release the key to stop the horn.

NOTE: The duration of the horn is limited to 4 seconds.

SCROLL PROFILES key



Press to view profiles and sports. Each key press moves to the next profile/sport.

OPTIONS key



Press to enter and move through the options menu. Each press of the OPTIONS key moves to the next option in the options menu

Time Function

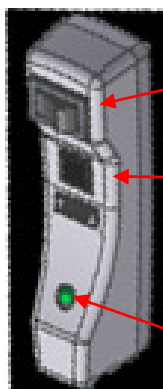
STANDARD TIME FUNCTIONS

1. Main Time - Main time is the time displayed to keep track of game time.
2. Half – Either a indicator or number of what half the game is on
3. Time out time – A choice of 5 timers used for time outs
4. Stop Time – Is a set time (other than 00:00.0) that the main time ceases counting.
5. Time Of Day – The MPCW-7 will keep track of time of day

TIME CONTROLS

The standard keys used for time control.

Hand Held Switch



Two Position Switch

- Right is Time On Left is Time Off

Horn Switch

- Press to sound horn
- Release to silence the horn
- Horn will sound for up to 4 seconds

Indicator Light

- Flashes when connected to a powered up MPCW-7

TIME ON Key



Turns Main Time on and can be used to turn on the Aux timer and Segment Timer if used

TIME OFF Key



Stops Main Time and can be used to stop the Aux Timer and Segment Time if used

Note:

1. Aux timer and Segment timer are fully explained in the OPTIONS section of this manual
2. The Time On and Time Off keys are disabled if the hand held time control switch is plugged in to the control.
3. To make these two keys active again, turn the control power off, disconnect the hand held time control switch, and restart the control.

TIME Key



Press to return to main time screen

Press from main time screen will display aux timer or segment timer

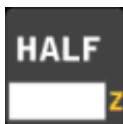
Press from aux timer or segment timer screen to return to main time screen

STOP TIME Key



Press STOP TIME to recall the stop time setting.

HALF Key



Press HALF to set the game half

TIME OF DAY Key




Press TIME OF DAY to verify the time set within the control and display the time on the scoreboard.

MAIN TIME

- Is the time displayed on the scoreboard to keep track of game time
 - Can count down or up
- To change direction of main time refer to the OPTIONS section of this manual

To Start and Stop Main Time



1. Press  to start main time
2. If time is 00:00.0 and is set to down time needs to be reset to start
3. If time is set to up time will start anywhere



There are three ways to stop main time

1. End time – If time reaches 00:00.0 when time is set to down. The auto horn will sound for four seconds
2. Stop Time – A settable end time. Refer to the stop time portion of the manual for more information.



3. Press  to stop main time

To Set Main Time

1. Press  then  the control will then display

Time: MM:SS.s◀
2. Enter the Minutes, Seconds, and Tenth Second as needed.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.

Example

1. An entry of 1, 2, 3, 4, 5 will set the time to 12 minutes 34 seconds and 5 10s of second (12:34.5)
2. An entry of 1, 2, YES/CONFIRM will set time to 12 minutes (12:00.0)

Note: Pressing NO at any point before the 5th digit is pressed in the time entry process will reset time to previous values

Example

1. Time is set to 10:00.0
2. SET > TIME is pressed and an entry of 1, 2, 3, 4 is entered.
3. NO/CANCEL is pressed.
4. Time will then be set to 10:00.0

STOP TIME

STOP TIME is the time set for main time to automatically cease counting.

It functionally acts the same as time running out on the clock. The horn will sound as long as Auto Horn is enabled in the Main Time options menu



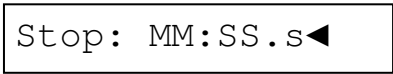
Note: Stop time will not function if it is set to 00:00.0 and Main time is set to count up. The control transitions from 99:59.9 to 00:00.0 and continues counting as if it transitioned to 100 hours.

Examples of use

1. Operating main time counting up from 0.0 to 45:00 for each half.
2. Operating main time counting down from 90 minutes and setting a stop time of 45:00.0 for half time.

To Set Stop Time



Setting Stop Time is functionally the same as setting main time.

1. Press  then  the control will then display 
2. Enter the Minutes, Seconds, and Tenth Second as needed.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If less than 5 digits are entered and there is an error press NO/Cancel.
 - i. The previous value is set
 - ii. The control goes back to the main screen

HALF

In addition to the game time, the half helps keep track of where the game is.

To Set the Half

1. Press  the control will then display 
2. Press the number corresponding to the half
3. The Half will be set and the MPCW-7 will then navigate to the main time screen

TIME OUT

- Time out is functionally a set of timers used to organize time outs in a game.
- There is a choice of five programmable timers.
- Time out timer key will not be functional until time is set to off.
- It is optional to display the time out timer on the scoreboard
- Each timer has a programmable warning time.

Warning Time – Is a signal that the end of a time out is approaching. The scoreboard will sound a 2 second horn and the MPCW-7 will navigate itself back to the time out time screen.

Note: Refer to the OPTIONS section of this manual to

1. Set time out timers
2. Set warning times
3. To display or not display the time out timer on the scoreboard

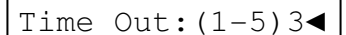
Defaults

Time Out	Time	Warning
1	:30.0	:15.0
2	:45.0	:15.0
3	1:00.0	:15.0
4	1:15.0	:15.0
5	1:30.0	:15.0

To Start a Time Out



Press TIME OUT TIMER the MPCW-7 will display
The last time out timer used will display as an option to use this timer press YES



Use the number keys 1-5 to choose the time out

- The time out number selected will automatically begin counting
- The horn will sound for two seconds at the warning time
- The horn will sound for four seconds at the end of the time out.



To Conclude a Time out Early

There may be a desire to skip to the warning time and/or conclude the time out early. To do this while the time is counting:



First, to use this function the MPCW-7 must be on the time out timer screen
To reenter the time out screen press the TIME OUT TIMER key.

Time2:



If on the time out timer screen press the TIME OUT TIMER key

- The timer should skip to the warning time.
- The scoreboard's horn should sound for 2 seconds
- The MPCW-7 should beep for 2 seconds

Time2:



Press the TIME OUT TIMER key again to conclude the time out

- The MPCW-7 will go back to the main time screen
- The scoreboard's horn should sound for 4 seconds
- The MPCW-7 should beep for 4 seconds

12:00.0▼ Half:1



TIME OF DAY

When set the MPCW-7 will keep track of Time of Day:

- Time Of Day can function with the 12 and 24 hour clock
- A press of TIME OF DAY will display time of day on the scoreboard in the main time place
- Compatible scoreboards can display time of day while the scoreboard is turned off

Note: Refer to the OPTIONS section of this manual to stick time of day (displays the time while the control is turned off) and change the Time of Day from 12 to 24 hours

To Set Time of Day

1. Press  then  the control will then display

TO D: HH:MM ◀

2. Enter the Hours and Minutes.
 - a. After all four digits are filled it automatically accepts the time.
 - b. If less than 4 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If less than 4 digits are entered and there is an error press NO/Cancel.
 - i. The previous value is set
 - ii. The control goes back to the main time screen

In-Game Stats

In-Game Stats are entries in the control that will or can display on the scoreboard depending on the choice of captions.

Scoreboard Notes

1. Default captions are Sht (Shots) Sav (Saves) Cnr (Corner Kicks) Pen (Penalties)
2. Caption Options are further discussed in the OPTIONS menu.
3. These values are not available to display on all boards

Soccer In-Game Stats are HOME and GUESTS:

SCORE	PENALTIES	SAVES
SHOTS	CORNER KICKS	SUB IN/OUT

Following are descriptions of the In-Game Stats in detail and how to use them. Depending on the stat's function there is a possibility of entering game time stats three ways: adding, setting, and indicating.

Adding – Adding is the usual function for In-Game Stats after the stat key (Score, Shots, Etc) is pressed the following number key pressed is added to the total. To add more, press the stat key again. For direct entry, corrections, and SUB IN/OUT refer to Setting.

Example				
HOME SCORE is pressed and the screen displays:	<table border="1"><tr><td>3+</td><td>Score</td><td>4</td></tr></table>	3+	Score	4
3+	Score	4		
6 is pressed the result is:	<table border="1"><tr><td>9+</td><td>Score</td><td>4</td></tr></table>	9+	Score	4
9+	Score	4		

Setting – Rather than add to the total stat selected one can directly enter it. This is setting. It is typically used to directly set the stat selected or correct a previous add.

Example				
SET then HOME SCORE is pressed and the screen displays:	<table border="1"><tr><td>13◀</td><td>Score</td><td>4</td></tr></table>	13◀	Score	4
13◀	Score	4		
1 then 2 are pressed the result is:	<table border="1"><tr><td>12</td><td>Score</td><td>4</td></tr></table>	12	Score	4
12	Score	4		
Or 1 then YES/CONFIRM is pressed. The result is:	<table border="1"><tr><td>1</td><td>Score</td><td>4</td></tr></table>	1	Score	4
1	Score	4		

Indicating – Indicating illuminates indicator lights or designated digits to indicate events within a game. For example: possession, penalties, hits, errors, and time outs left. Not all scoreboard models have this function.

Example
Press HOME PENALTIES and the home penalty indicator illuminates on a 3504 Scoreboard
Press HOME PENALTIES a second time and the penalty indicator goes out

Note:

1. The # represents numerical values in the following examples
2. The "+" indicates the MPCW-7 is in add mode. The side the "+" is on is what side is being added to.
3. The "◀" or the "▶" indicates the MPC-7 is in set mode. The side the "◀" or the "▶" is on is what side is being set.
4. The left or right is relative to the side of the board that value is going to be displayed, not home or guests. This setting can be changed using the Swap Home&Guests option.
 - a. Refer to the OPTIONS section of this manual

SCORE



Press **HOME SCORE** to enter the home score ADD mode.

The control will display ##+ Score ##



Press **GUEST SCORE** to enter the guest score ADD mode.

The control will display ## Score +##

Adding to Score



1. Press or
2. The control will display ##+ Score ## or ## Score +##
3. Enter any value 0-9 and it will add that value to the value with the “+”.
 - a. To add more start from step 1

Note:

1. You cannot subtract from the value. To correct a mistake refer to Setting Score

Setting Score



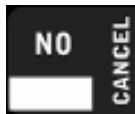
1. Press then or
2. The control will display ##◀ Score ## or ## Score ▶##
3. 1st digit: Enter any value 0-9



- a. If that single digit value is the desired setting, then press if not continue to step 4
4. 2nd digit: Enter any value 0-9

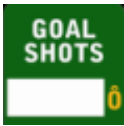
Note:

1. A zero in the 10's spot will automatically be removed and leave a single digit value.



At any time before the 1's digit is placed can be pressed to restore the previous value and cancel the function.

SHOTS



Press **HOME GOAL SHOTS** to enter the home goal shots ADD mode.



The control will display ##+ Shots ##



Press **GUESTS GOAL SHOTS** to enter the home goal shots ADD mode.

The control will display ## Shots +##





Adding to Shots

1. Press  or 
2. The control will display ##+ Shots ## or ## Shots +##
3. Enter any value 0-9 and it will add that value to the value with the “+”.
 - a. To add more start from step 1

Note:

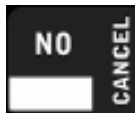
1. You cannot subtract from the value. To correct a mistake refer to Setting Score


Setting Shots

1. Press  then  or 
2. The control will display ##◀ Shots ## or ## Shots ▶##
3. 1st digit: Enter any value 0-9.
 - a. If that single digit value is the desired setting, then press  if not continue to step 4
4. 2nd digit: Enter any value 0-9

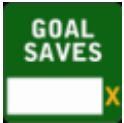
Note:

1. A zero in the 10's spot will automatically be removed and leave a single digit value.



At any time before the 1's digit is placed  can be pressed to restore the previous value and cancel the function.

SAVES



Press **HOME GOAL SAVED** to enter the home goal saves ADD mode.

The control will display

##+ Saves ##



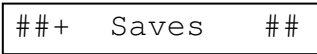



Press **GUESTS GOAL SAVED** to enter the guest goal saves ADD mode.

The control will display

Saves +##




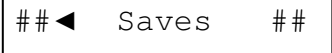


Adding to Goal Saves

1. Press  or 
2. The control will display  or 
3. Enter any value 0-9 and it will add that value to the value with the “+”.
 - a. To add more start from step 1

Note:

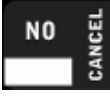
1. You cannot subtract from the value. To correct a mistake refer to Setting Score

Setting Goal Saves

1. Press  then  or 
2. The control will display  or 
3. 1st digit: Enter any value 0-9
 - a. If that single digit value is the desired setting, then press  if not continue to step 4
4. 2nd digit: Enter any value 0-9

Note:

1. A zero in the 10's spot will automatically be removed and leave a single digit value.

At any time before the 1's digit is placed  can be pressed to restore the previous value and cancel the function.

PENALTIES



Press **HOME PENALTIES** to enter the home penalties ADD mode.

The control will display ##+ Penalty ##





Press **GUESTS PENALTIES** to enter the guest penalties ADD mode.

The control will display ## Penalty +##

Adding to Penalties



1. Press  or 
2. The control will display ##+ Penalty ## or ## Penalty +##
3. Enter any value 0-9 and it will add that value to the value with the “+”.
 - a. To add more start from step 1

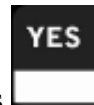
Note:

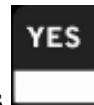
1. You cannot subtract from the value. To correct a mistake refer to Setting Score

Setting Penalties



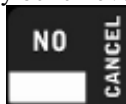
1. Press  then  or 
2. The control will display ##◀ Penalty ## or ## Penalty ▶##
3. 1st digit: Enter any value 0-9

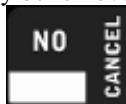


- a. If that single digit value is the desired setting, then press  if not continue to step 4
4. 2nd digit: Enter any value 0-9

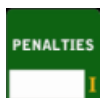
Note:

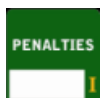

1. A zero in the 10's spot will automatically be removed and leave a single digit value.



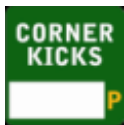
At any time before the 1's digit is placed  can be pressed to restore the previous value and cancel the function.

Indicating Penalties



1. Press  or 
2. The control will display ##+ Penalty ## or ## Penalty +##
3. The scoreboard will light up the Home or Guests penalty indicator corresponding to the key pressed
4. The second press of Home or Guests penalties will turn off the penalty indicator pressed

CORNER KICKS



Press **HOME CORNER KICKS** to enter the home corner kick ADD mode.

The control will display

##+Crnr Kicks ##





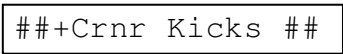
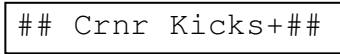
Press **GUESTS CORNER KICKS** to enter the guest corner kick ADD mode.

The control will display

Crnr Kicks+##

Adding to Corner Kicks






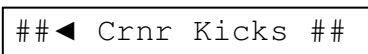
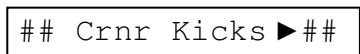

1. Press  or 
2. The control will display  or 
3. Enter any value 0-9 and it will add that value to the value with the “+”.
 - a. To add more start from step 1

Note:

1. You cannot subtract from the value. To correct a mistake refer to Setting Score

Setting Corner Kicks




1. Press  then  or 
2. The control will display  or 
3. 1st digit: Enter any value 0-9
 - a. If that single digit value is the desired setting then press  if not continue to step 4
4. 2nd digit: Enter any value 0-9

Note:

1. A zero in the 10's spot will automatically be removed and leave a single digit value.



At any time before the 1's digit is placed  can be pressed to restore the previous value and cancel the function.

SUB IN/OUT



Press **SUB IN/OUT** to enter the home sub in and out set mode

The control will display

H Sub:## ◀For:##



Press **SUB IN/OUT** to enter the guest sub in and out set mode

The control will display

G Sub:## ◀For:##

Setting Sub in and out



1. Press

2. The control will display


H Sub:## ◀For:##

or

G Sub:## ◀For:##

3. Sub In

a. 1st digit: Enter any value 0-9.

i. If that single digit value is the desired setting then press  if not continue

b. 2nd digit: Enter any value 0-9

c. After 2nd digit is entered or YES is pressed Sub Out becomes modifiable

4. Sub Out

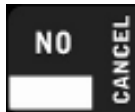
a. 1st digit: Enter any value 0-9.

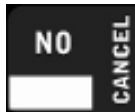
i. If that single digit value is the desired setting then press  if not continue

b. 2nd digit: Enter any value 0-9

Note:

1. A zero in the 10's spot will automatically be removed and leave a single digit value.



At any time before the 1's digit is placed  can be pressed to restore the previous value and cancel the function being modified.

Example

Home SUB IN/OUT is pressed the last sub in was 19 and out was 13

H Sub:19◀For:13

A 4 then a 3 are pressed the display will display

H Sub:43 For:13◀

A 6 then YES is pressed. The display will display

H Sub:43 For: 6

Soccer OPTIONS

There is one option unique to certain soccer boards. That is the change captions option.

SCOREBOARD CAPTIONS

Changeable captions aren't applicable to all scoreboards. For those whom are operating a scoreboard with changeable captions it may be desired to set the scoreboard captions to something other than the default. It is highly recommended to create or add this setting to a profile to save the caption settings.

Scoreboard captions will be further explained in the Sport Options portion of this manual.



Press OPTIONS until the MPCW-7 displays

Captions >>



Press YES



Press OPTIONS to toggle through each caption until the caption desired displays

CHANGE CAPTIONS

Change Captions is a scoreboard feature that allows one to display different data in designated locations on the scoreboard. To get to the Change Captions Menu:



Press OPTIONS until the control displays

Change Captions



Press to enter Captions Menu. Control displays

Sht Sav Cnr Pen

Note

1. A "*" in the change captions menu represents the current captions setting.
2. This feature is only available in the 3600 series scoreboards with soccer function.
3. Not all scoreboards with this feature have all four sets (set = home and guest) of changeable captions.
 - a. For example if there are two sets of captions the scoreboard will display the two on the left of the configuration

Caption Configurations

As stated earlier in this manual the default soccer captions are Sht (Shots) Sav (Saves) Cnr (Corner Kicks) Pen (Penalties). Here are the configuration options:

Caption Configurations

Configuration	Caption Set 1	Caption Set 2	Caption Set 3	Caption Set 4
1	Sht	Sav	Cnr	Pen
2	Sht	Cnr	Sav	Pen
3	Sht	Pen	Sav	Cnr
4	Sav	Cnr	Sht	Pen
5	Sav	Pen	Sht	Cnr
6	Cnr	Pen	Sht	Sav

Configuration	Caption Set 1	Caption Set 2	Caption Set 3	Caption Set 4
7	Pli	Plo	Sht	Sav
8	Pli	Plo	Sht	Cnr
9	Pli	Plo	Sht	Pen
10	Pli	Plo	Sav	Cnr
11	Pli	Plo	Sav	Pen
12	Pli	Plo	Cnr	Pen

Example 1: Nevco 3656

The 3656 displays two changeable captions for Home and Guests

Configuration: Sht Sav Cnr Pen

Configuration: Cnr Pen Sht Sav



Example 2: Nevco 3657

The 3657 displays 4 changeable captions

Configuration: Sht Sav Cnr Pen



Configuration: Cnr Pen Sht Sav



Note: The Caption Sets in **Caption Configurations** are shortened as the MPCW-7 displays them. For further explanation:

Sht = Shots

Pen = Penalties

Sav = Saves

Pli = Player In

Cnr = Corner Kicks

Plo = Player Out

To Change Captions

From Change Captions Menu

1. Press **OPTIONS** until the display shows the desired caption set

Sht Sav Cnr Pen

2. Press **YES** to confirm the change

Sht Sav Cnr Pen*

The '*' asterisk designates which option is currently being used.

OPTIONS

The OPTIONS menu consists of game settings and added features useable during a game or practice.

The OPTIONS are set into 13 possible selections:

- | | | |
|---------------|-----------------------|----------------------|
| 1. Brightness | 6. Segment Timer | 11. Wireless |
| 2. Team Names | 7. Time Out Timer | 12. Scoreboard Model |
| 3. Profiles | 8. Swap Home & Guests | 13. Time of Day |
| 4. Main Time | 9. Aux Display | |
| 5. Aux Time | 10. Horn Settings | |

Each press of the OPTIONS key will toggle through these options. Press a function key or cancel to abort the options mode. It is important to note that unless you save the profile these option settings will revert when the new game key is pressed, so after changing the brightness, programming timeout timers, etc. Go to the Profiles section.

OPTIONS menu Navigation

There are three keys to use to navigate through the OPTIONS menu: OPTIONS, YES, and NO/CANCEL.

OPTIONS key



Use to scroll to the next option in the OPTION menu and sub-options menus.

YES key



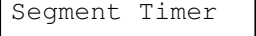
1. Used to select an option or enter a sub-option menu
2. Used to confirm changes made
3. Used to change a value

NO/CANCEL key




1. Used to exit a sub-option.
2. If pressed enough times it will bring one back to the screen that displays the name of the sport being played.
3. Used to Cancel/Reset a change if the change has not been completed or confirmed

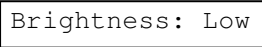
Navigation Example 1

1. **OPTIONS** is pressed until  displays.
2. **YES** is pressed to enter the Segment Timer menu
3. **NO/CANCEL** is pressed to Exit the segment timer menu

Navigation Example 2

1. Left Team name is entered to 
2. **YES** is pressed to confirm changes made
3. If **NO/CANCEL** is pressed rather than YES it will cancel the name entered and cease modifying Left Team Name

Navigation Example 3

1. **OPTIONS** is pressed until  displays.
2. **YES** is pressed to change the Brightness to High
3. **NO/CANCEL** is pressed to exit the options menu back to the main screen

BRIGHTNESS

Ambient lighting conditions may cause the scoreboard to be too bright or dim. To remedy this go to the brightness options to toggle scoreboard brightness between bright or dim.

Example

Brightness: High

Better suited for daylight conditions to better see the scoreboard
Not well suited for low light conditions

Brightness: Low

Well suited for low light conditions
May be difficult to see during daylight conditions

To Change Brightness:

OPTIONS

YES

Press OPTIONS until the MPCW-7 display reads

Note: “*****” represents High or Low

To toggle between High or Low scoreboard brightness

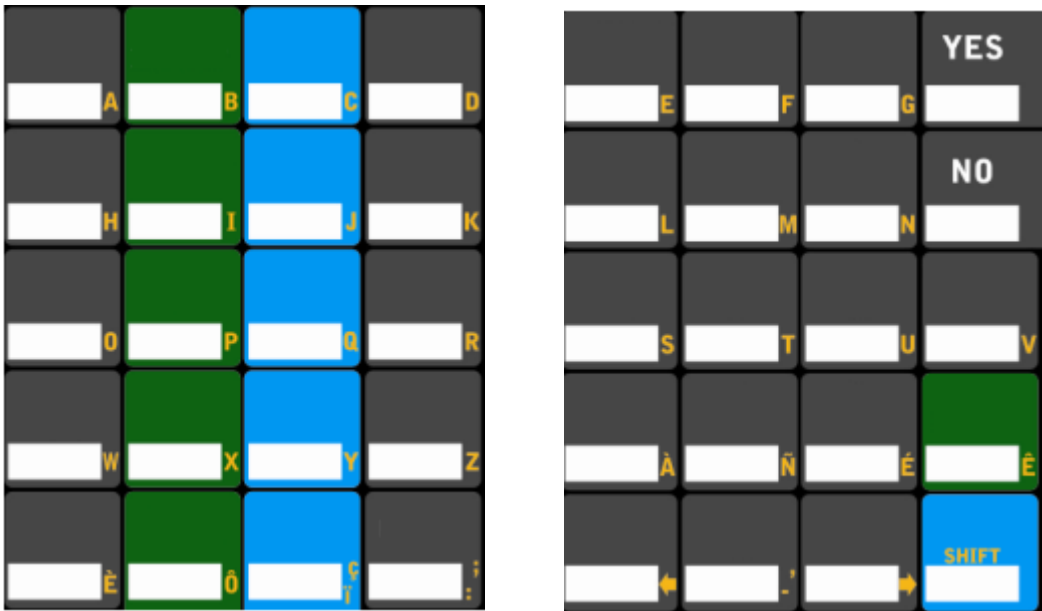
Brightness: *****

TEAM NAMES

The team names option works with the Electronic Team Names (ETN) package in a Nevco scoreboard system. Using this system can replace the usual vinyl HOME and GUESTS with an LED display used for displaying the team names.

Electronic Team Name keypad

The Team name keypad is marked in the orange color on the MPCW-7 keypad.




Note: The standard function text and symbols have been removed for example only.

The letter and number keys are self explanatory. There is however a few function keys that are important to know in the Electronic Team Name keypad.


Backspace



The  key is used as a backspace button while entering team names

Space




The  key is used as a space during while entering team names


Shift Key

Default: uppercase letter state



1st press “”: Changes to lowercase letters

2nd press “#”: Changes from letter entry to number entry

3rd press “”: Back to uppercase letters

Changing Team Names

First enter the **Team Names Menu**



Press OPTIONS until the displays reads


Team Names >>



Press to enter Team Names Menu display reads

Home Team Name


Note:

1. During entry of a team name  be pressed to cancel changes and move to another selection
2. Team names can be up to 12 characters
3. Depending on the display, if the team name is long enough it will shrink both left and right displays to fit one or both

Guests Team name

Guests Team Name is the default entry point to the team names menu




1. Press  to modify guest team name
 - a. This enters the Guests team name editing screen
2. Enter the team name using the letters (upper and lower case), numbers, backspaces, and spaces as required.

Guest Team Name

GUESTS ▲

ABCdef123000 #




3. Press  to confirm the team name entry
 - a. Menu will then go to the Home team name option

Home Team Name

Home Team name

Home Team Name is automatically the option after modifying the right team name.




1. Press  on the left team name screen
 - a. This enters the HOME team name editing screen
2. Enter the team name using the letters (upper and lower case), numbers, backspaces, and spaces as required.

HOME ▲

Comets ▲



3. Press  to confirm the team name entry
 - a. Control will then go back to the option to edit Guests team name
 - b. Press YES if there is a correction required if not;

Guest Team Name



4. Press  to return to the main OPTIONS menu or press  to return to main time screen.

MAIN TIME

Main time options are:

Direction – Main time can count up or down

Auto Horn – The horn sounding when time runs out or when time reaches Stop Time.

Style – Allows you to display main time in hour/minute format or minute/second format.

Disable 0.1 – When main time is under a minute, it will shift to display SS.TT instead of MM:SS. This is the default behavior. When “Disable .1” is selected, then main time will always display as MM:SS. (M for minutes, S for seconds, and T for tenth of seconds.)



Press OPTIONS until the MPCW-7 display reads

Main Time



Press to enter main time menu

Changing the Direction of Main Time



1. From Main Time menu press until the MPCW-7 display reads

Note: The direction arrow could be ▼ ▲

Direction: ▼



2. Press to toggle the direction of time

Direction: ▲

Turning Auto Horn On or Off



1. From Main Time menu press until the display reads

Note: The “*” designates the Auto Horn is on.

Auto Horn:



2. Press to turn Auto Horn On or Off.

Auto Horn: *

Changing Main Time Style

Within Main Time menu:



1. Press until the MPCW-7 display reads

Style >>



2. Press

MM:SS



3. Press to scroll through the styles

HH:MM



4. Press to enable the time style you want to use

a. An asterisk indicates which style is enabled

Disabling and Enabling 0.1 Seconds Time Shift



1. From Main Time menu press until the display reads

Note: The “*” designates the Disable .1 is on. (Will not shift time)

Disable .1



2. Press to disable 0.1 seconds shift.

Disable .1 *

AUX TIME

The control has a built in auxiliary timer that can be used for many purposes. It can be configured to count up or down. It can run continuously or only when the main time is running. It can be displayed on the control by pressing the time key twice in succession. It can also be configured to display on an auxiliary time display if one is part of your system. Some uses for the auxiliary timer include timing field/facility usage or it can be used to determining how far into a game a certain event happened.

Aux Time Options are:

1. *Setting Aux Time* – Aux time can be set to count down or up from a certain settable time. To set the time use this option
2. *Direction* – Aux time can count up or down according to the need or desire of the user. Use this option to adjust Aux time to run up or down.
3. *Time switch Operation* – Aux time can be operated with the same time switch used to operate main time.
4. *Setting Aux Stop Time* – Aux stop time is functionally the same as stop time for main time. It is the set time where Aux time will cease counting. **Note:** Aux stop time will not stop time if set to 00:00 and Aux Time is cycling from 99:59.9 to 00:00.0 . It is treated as 100 hours
5. *Style* – Aux time can be entered in hour/minute format or minute/second format.

To get to Aux Time options:



Press OPTIONS until the MPCW-7 display reads

Aux Time >>




Press to enter aux time menu

Setting Aux Time


Within Aux Time menu:



1. Press  until the MPCW-7 display reads Aux time.
 - a. If Aux time has never been set up before or Aux time has counted down to zero the MPCW-7 display will read

Aux: 00:00.0▲





2. Press  to begin editing Aux time
3. Enter the minutes, seconds, and 10th of seconds.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 5 digits are entered it restores the previous value and completes the editing process

Aux: MM:SS.S◀

Changing Direction of Aux Time

Within Aux Time menu:

1. Press  until the MPCW-7 display reads
2. Press  to change the direction of time
 - a. For time counting up display will read
 - b. For time counting down display will read



Direction: ▲

Direction: ▲

Direction: ▼

Setting Time Switch Operation

Within Aux Time menu:



1. Press  until the MPCW-7 display reads
2. Press  to enable or disable time switch operation of Aux Time
 - a. The * represents enabled

Time Switch:

Time Switch: *

Setting Aux Stop Time

Within Aux Time menu:





1. Press  until the MPCW-7 display reads Stop Time.
 - a. If Aux Stop Time has never been set before display will read
2. Press  to begin editing Aux Stop time
3. Enter the Minutes and Seconds.
 - a. After all four digits are filled it automatically accepts the stop time.
 - b. If less than 4 digits are entered and YES is pressed then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 4 digits are entered it restores the previous value and completes the editing process

Stop Time:00:00

Stop Time:MM:SS◀

Changing Aux Time Style

Within Aux Time menu:

1. Press  until the MPCW-7 display reads
2. Press  to begin editing Aux Stop time
3. Press  to scroll through the styles
4. Press  to enable the time style you want to use
 - a. An asterisk indicates which style is enabled

Style >>

MM:SS

HH:MM

SEGMENT TIMER

A **segment timer** is used for pacing organized practices, as an interval horn, and can be used for other practical uses as well. As an example: a segment consists of a practice event (playbook time, running drills, breaks, etc) that is run for a set period of time. Once the time has expired, a new segment is entered and the drill changes. The segment timer will count down from the programmed segment time to zero. The MPCW-7 segment timer function has a maximum of 20 segments.

There are three settings to be set in each segment: time, auto horn, and auto advance. **Auto horn** sounds the horn at the end of a time segment. If **Auto Advance** is enabled, when the current segment completes the next segment time begins counting automatically.

Segment Timer Projects

As stated earlier a segment timer project has a maximum of 20 segments.

Saving a Segment Timer Project

To save segment timer project create one, then save it using the Profiles option in the OPTIONS menu.

Segment timer projects can take some time to set up. If a standard segment timer project is desired for regular use it is highly recommended to save it.

Interval Horn

The simplest segment timer project is the **interval horn**. An interval horn is used to sound the horn every time the set time completes. The interval horn is a one segment, segment timer project with auto horn and auto advance enabled. The project cycles through the allotted segment time, sounds the horn, and goes back to the beginning to start the process over again. A good example for interval horn use is little league hockey. In many little league hockey leagues they use an interval horn to signal on ice shift changes. Here are the settings to set to operate an interval horn project

Example: Interval Horn			
Segment 1	Segment Settings		Result
Signal player shift change	Segment Time	1:00	1 minute counts to 0. Horn Sounds at the end of time. Segment 1 restarts
	Auto Horn	ON	
	Auto Advance	ON	

Practice Timer

A typical segment timer project is a practice timer. The practice timer is used to organize practice into segments for different practice functions. Each segment is set to a certain time representing a required time for a practice event. When the next segment begins the team moves to the next event in the schedule.

Segments can be set to automatically begin if required or to begin upon pressing the TIME ON key on the MPCW-7 by toggling the auto advance function in the edit segment menu. Segment end can be signaled by the sounding of the horn or not by setting the Auto Horn function in the edit segment menu. Here is an example of a practice timer project:

Example: Organized Practice			
<u>Segment 1</u>	<u>Segment Settings</u>		<u>Result</u>
Stretching and Calisthenics	Segment Time	10:00	10 minutes counts to 0. Horn Sounds at the end of time. Segment 2 is prompted but not counting
	Auto Horn	ON	
	Auto Advance	OFF	
<u>Segment 2</u>	<u>Segment Settings</u>		<u>Result</u>
Agility Training	Segment Time	10:00	10 minutes counts to 0. Horn Sounds at the end of time. Segment 3 begins counting
	Auto Horn	ON	
	Auto Advance	ON	
<u>Segment 3</u>	<u>Segment Settings</u>		<u>Result</u>
Linemen to sleds. Backs, Receivers, TE, and QBs to drill routes Etc.	Segment Time	2:00	2 minutes counts to 0. Segment 4 begins counting
	Auto Horn	OFF	
	Auto Advance	ON	
<u>Segment 4</u>	<u>Segment Settings</u>		<u>Result</u>
Players and coaches begin position specific drills	Segment Time	10:00	10 minutes counts to 0. Horn Sounds at the end of time. Segment 5 begins counting
	Auto Horn	ON	
	Auto Advance	ON	
<u>Segment 5</u>	<u>Segment Settings</u>		<u>Result</u>
Offence and Defense join to run plays	Segment Time	20:00	20 minutes counts to 0. Horn Sounds at the end of time. Segment 6 begins counting
	Auto Horn	ON	
	Auto Advance	ON	
<u>Segment 6</u>	<u>Segment Settings</u>		<u>Result</u>
Team Strategy meeting	Segment Time	20:00	20 minutes counts to 0. Horn Sounds at the end of time.
	Auto Horn	ON	
	Auto Advance	OFF	

Main Menu

There are three options in the main segment timer menu.

1. Enable – Enables or disables the segment timer function in the control. Disable will remove a displayed segment timer from the scoreboard.
2. Display on Scoreboard – Option to display or not display segment timer in place of standard Main Time on the scoreboard. This option is unusable if the segment timer is disabled
3. Edit Segment – Use this option to edit segments, and create a segment timer project.





Press OPTIONS until the MPCW-7 display reads

Segment Timer >>





Press YES to enter Segment Timer Menu

Enable or Disable

1. Press  after entry in the segment timer menu until display shows Enable
2. Press  to enable or disable segment timer function
Note: The “*” means that it is Enabled Enable *

Display on Scoreboard



1. Press  after entry in the segment timer menu until display shows Disp On Board
2. Press  to display segment timer on the scoreboard
Note: The “*” means that it is Enabled Disp On Board *

Edit Segment



The Edit Segment menu is used to edit segments and edit the segment timer project. There are 6 options in the Edit Segment menu.

1. Segment Main Time – Option to edit segment main time
2. Auto Horn – Enables or disables Auto Horn function
3. Auto Advance – Enables or disables Auto Advance function
4. Next Segment – To edit the next segment in the project. If the project is less than 20 (the others are set to 0.0 time) then it adds a segment to the project
5. Insert Segment – Moves the current segment forward and edits another segment in place of it
6. Delete segment – Deletes current segment



Entering Editing Segment menu

1. Press  after entry in the segment timer menu until display shows Edit Segment
2. Press  to enter Edit Segment menu Seg: 1 ##:##

Editing Segment Main Time

1. Press  after entry in the segment timer menu until display shows Seg: 1 ##:##
2. Press  to edit the current segment
3. Enter the Minutes and Seconds.
 - a. After all four digits are filled it automatically accepts the time.
 - b. If less than 4 digits are entered and YES is pressed then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 4 digits are entered it restores the previous value and completes the editing processSeg: 1 ##:##◀



Toggle Auto Horn

1. Press  after entry in the edit segment timer menu until display shows
2. Press  to toggle the auto horn function in the selected segment
 - a. The “*” represents Auto Horn is enabled

Seg: # Auto Hrn

Seg: # Auto Hrn*



Toggle Auto Advance

1. Press  after entry in the edit segment timer menu until display shows
2. Press  to toggle the auto advance function in the selected segment
 - a. The “*” represents Auto Advance is enabled

Seg: # Auto Adv



Seg: # Auto Adv*

Next Segment

1. Press  after entry in the edit segment timer menu until display shows
2. Press  to advance the segment number
 - a. Segment number only goes up to twenty and rolls back to 1

Seg: # Next Seg



Insert Segment

1. Press  after entry in the edit segment timer menu until display shows
2. Press  to insert a segment into the current segment position
3. Enter the Minutes and Seconds.
 - a. After all four digits are filled it automatically accepts the time.
 - b. If less than 4 digits are entered and YES is pressed then zeros will be placed in the unfilled digits and the time will be accepted.

Insert Segment

Seg: 1 ##:##◀

Delete Segment

1. Press  after entry in the segment timer menu until display shows
2. Press  to delete the current segment
 - a. All subsequent segments will move up in position to fill the spot of the deleted segment

Delete Segment

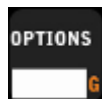
Seg: 1 ##:##◀

TIME OUT TIMER

Time out timer options are:

Display On Scoreboard – If enabled a running time out timer will display on the scoreboard

Edit Time Outs – To change time out times or time out warning times select this option



Press OPTIONS until the MPCW-7 display reads

TimeOut Timer >>



Press YES to enter main time menu

Display Time Out Timer on Scoreboard

The first selection in the Time Out Timer menu should be the display on scoreboard option.



If required to cycle back to the display on scoreboard screen

Disp On Board



To display or not display the time out timer on the scoreboard

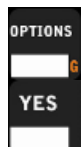
Disp On Board*

Note: the asterisk means that it is enabled

Edit Time Outs Menu

There are 3 options within the “Edit Time Outs” menu

1. Edit Current Time out – There are 5 individual time out timers that can be set individually. The first time out entered is either the last time out used or defaults to time out timer 1.
2. Edit current warning time – Each time out timer has a settable warning time
3. Next time out – To edit another of the five time out timers.



Press until MPCW-7 display reads

Edit Time Outs




To enter the Edit Time Outs menu

Time#: #:#.:#

Next Time Out


If the current time out isn't the time out that is desired to be edited:

1. Press  until the MPCW-7 display shows
 - a. The number next to it is the current time out to be edited

Next Time Out



2. Press  until the MPCW-7 display shows the desired time out to be edited

Time#: #:#.:#

3. Press  to go back to editing that time out

Edit Current Time Out

If the current time out is the time out desired to be edited:



1. If not currently on the edit time out screen press  until MPCW-7 displays
2. Press  The MPCW-7 will display
3. Enter the minutes, seconds, and 10th of seconds.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 5 digits are entered, it restores the previous value and completes the editing process

Time#: #:#.##

Time#: MM:SS.s ◀

Edit Current Time Out's Warning Time

If the current time out is the time out desired to be edited:

1. If not currently on the edit warning screen press  until the MPCW-7 displays
2. Press : The MPCW-7 will display
3. Enter the minutes, seconds, and 10th of seconds.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 5 digits are entered, it restores the previous value and completes the editing process

Warn#: #:#.##

Warn#: MM:SS.s ◀

SWAP HOME AND GUEST

This function does just as it says. All Home and Guests values switch places on the display and in the control's display. Home and Guests team names switch if the scoreboard has electronic team names.

Note: Home and Guest keys do not swap on the MPCW-7



Press after entry in the segment timer menu until display shows

Swap Home&Guest



Press to switch all values of home and guests

Swap Home&Guest*

AUXILIARY DISPLAY

This function allows you to choose one of the following to display on the auxiliary timer: main time, auxiliary time, or time of day.



Press OPTIONS until the MPCW-7 display reads

Aux Display >>



Press YES to enter the Auxiliary Display menu

Display Main



Press OPTIONS to scroll through the list



Press YES to enable the time you want to display on the auxiliary timer

Display Main*

enabled

Note: An asterisk indicates which option is

HORN SETTINGS

Each horn type can be changed from a selection of 9 different tones. The horn output volume can be changed as well. This is done within the horn settings option. (Only available on select models)

NOTE: Horn settings may not affect scoreboards that are not in the outdoor x6xx series.

Tones can be described as:

Tone Setting	Description
Tone = 0, or blank	Mute
Tone = 1	Yelp
Tone = 2	Buzzer
Tone = 3	Car Horn
Tone = 4	Fog Horn
Tone = 5	156 Hz
Tone = 6	270 Hz
Tone = 7	285 Hz
Tone = 8	303 Hz
Tone = 9	385 Hz



Press OPTIONS until the MPCW-7 display reads

Horn Settings >>






To enter the Horn Settings menu

Volume: #

Horn Volume

Adjusting the horn volume affects all 5 different horns. To adjust the horn volume:




- Press  if not already on the horn volume screen until the display shows
- Press  the MPCW-7 will display
- Press the desired volume number key from 0 (muted) to 9 (max), or to disable the horn press 
 - Volume is then set.

Volume: #

Volume: #◀

EOP Horn Tone

This setting will change the EOP (end of period) tone and main stop time tone. To change the tone:




- Press  until the display shows
- Press  the MPCW-7 will display
- Press the desired horn tone key from 0 to 9; or  to disable the EOP horn

EOP Tone: #

EOP Tone: #◀

Horn Key Tone

This setting will change tone of the horn that sounds when the horn key is pressed. To change the tone:



1. Press  until the display shows
2. Press  the MPCW-7 will display
3. Press the desired horn tone key from 0 to 9; or  to disable the horn key

Key Tone: #

Key Tone: #◀

Aux Horn Tone

This setting will change both the Aux stop time and end time horn tone.



1. Press  until the display shows
2. Press  the MPCW-7 will display
3. Press the desired horn tone key from 0 to 9

Aux Tone: #

Aux Tone: #◀

Time out Timer Tone

This setting will change both the end time out tone and warning time tone.



1. Press  until the display shows
2. Press  the MPCW-7 will display
3. Press the desired horn tone key from 0 (no horn tone) to 9

TimeOut Tone: #

TimeOut Tone: #◀

Segment Timer Horn Tone

This setting changes the segment timer auto horn tone.



1. Press  until the display shows
2. Press  the MPCW-7 will display
3. Press the desired horn tone key from 0 (no horn tone) to 9

Segment Tone: #

Segment Tone: #◀

WIRELESS

The Wireless options are to link receivers, add receivers, and delete receivers from the control. To set the wireless options:

1. Press  until the MPCW-7 display reads
2. Press  to enter the Wireless Options menu

Wireless >>


Link Receiver

Add Receiver

The MPCW-7 stores any receivers it uses in memory. If a new receiver is required because of a new scoreboard installation, maintenance, or a new component in the existing Nevco, Inc. scoring system begin by adding a receiver.

Be sure to have the receiver serial number ready it will be needed to add a receiver to the MPCW-7.

From the “Link Receiver” screen:

1. From the Link Receiver screen: press  until the display shows

Add Receiver

2. Press  the MPCW-7 will display

Receiver# ◀

3. Enter the six digit receiver serial number

- a. The control will then navigate to name the receiver

4. Enter a receiver name using the team name number and letter keys.

- a. The receiver name is entered just as a team name is. For more reference refer to the “Team Names” Section

- b. It is recommended to name the receiver according to what it controls

SOC FIELD 1 ▲

Note: Once a new receiver is added it is added to all profiles as linked. If this is not a desirable state then for each profile used save it according to what the receiver needs are.

Link Receiver


The MPCW-7 allows the user to choose which wireless receivers to use during operation. The receivers used default to being linked this setting allows one to toggle the use of each receiver added to the MPCW-7. To link or unlink a receiver:

1. If using profiles load the profile desired to change the wireless settings
 - a. Refer to the Profiles section of this manual
2. Enter the wireless options menu by pressing OPTIONS until “Wireless” displays and pressing YES. MPCW-7 will display the Link Receiver screen.

Link Receiver

3. Press  the MPCW-7 will display the first receiver added to the MPCW-7




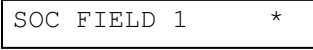

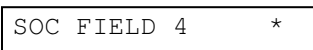

SOC FIELD 1 *

4. If that receiver is desired to link or be unlinked press 
 - a. The asterisk designates a Linked state
5. If there are more receivers within the MPCW-7 press OPTIONS to go through each
6. Repeat steps 3 thru 5 until all receivers are at their desired state
7. If using profiles save the current profile
8. If using profiles repeat steps 1 thru 7 for all profiles with different wireless settings.

Delete Receiver

The MPCW-7 stores added receivers it uses in memory. If it is necessary to delete a receiver because it is no longer in use, defective, etc the Delete Receiver menu is used.

Warning: Deleted receivers are deleted from the control as a whole. To make a receiver not operate in certain circumstance refer to the “Link Receiver” process.


1. From the Link Receiver screen: press  until the display shows 
2. Press  the MPCW-7 will display the first receiver added to the MPCW-7 
3. If this is not the receiver to be deleted press  until that receiver displays 
4. Press  and that receiver is deleted from the MPCW-7

Note: Once a receiver is deleted it is deleted from all profiles and is not remembered by the control. To correct a mistakenly deleted receiver refer to “Add receiver” and “Link Receiver” as needed.


TIME OF DAY

Use this option to:

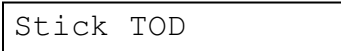

- Stick time of day on the scoreboard when the MPCW-7 is turned off
- Toggle the clock between 12 and 24 hours



Press OPTIONS until the MPCW-7 display reads







Press YES to enter the Time of Day Options menu



Stick TOD


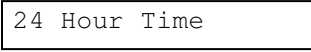

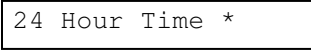
When this function is enabled the scoreboard will display the time of day after the MPCW-7 is shut off. This feature does not support 24 hour format.

To enable or disable this function from the Time of Day Options menu:

1. If the MPCW-7 is not currently on the Stick TOD screen press  until the MPCW-7 displays 
2. Press  to enable or disable this function.
 - a. The * on the screen means that this function is enabled
 - b. If this function is enabled then the MPCW-7 is shut off the time of day will display in the scoreboard’s main time spot

24 Hour Time

This function will change the time from the 12 hour structure to the 24 hour structure

1. Press  until the MPCW-7 displays 
2. Press  to enable or disable this functionality
 - a. The * on the screen means that this function is enabled

PROFILES



Press OPTIONS until the MPCW-7 displays

Profiles >>



Press YES to enter the Profiles menu

Load Profile

A Profile retains all settings within the control for future use. A large amount of our customers may only need the default profile for each sport in the MPCW-7 for the entirety of its use. The New Game key will access the last profile saved or loaded within each sport and there is no need to create multiple unique profiles. However, there are some instances where profiles are strongly encouraged for ease of use.

If:

- There are multiple settings that are to be set for different times the scoreboard is in use
- The MPCW-7 is being used on different scoreboard types
- Segment Timer projects are being used
- There are different wireless configurations for different games

Then: A unique profile may make the MPCW-7 control much more convenient to use.

The MPCW-7 can save up to 100 profiles.
Each sport’s profiles save the following:

Half/Period/Quarter	Main Time Options	Caption Settings
All Game Time Stats	Aux Time Options	Team Names
Main Time	Time Out Options	Horn Settings
Stop Time	Swap Home and Guest	Wireless Settings
Scoreboard Brightness	Segment Timer Options	Scoreboard Model



To keep track profile settings and numbers it is recommended to keep good notes on profiles.
A Profile worksheet is provided in the Appendix for these notes

There are three options in the Profiles menu “Load Profile”, “Default Lock” and “Save Profile”. The procedures for these options are covered in START UP and SET UP. To recap:

Load Profile

Load profile is the first option within the Profile Options

Load Profile

1. From the Load Profile Screen: Press  the MPCW-7 will display
 - a. The profile number here will be the last profile loaded or saved
2. If the displayed profile is the profile required then press 
3. If the profile displaying is not the required profile then enter the two digit number of the profile required.
 - a. If it is a single digit enter the number and press YES to load

Profile(##):## ◀

The MPCW-7 will then begin the process of loading a profile.


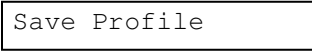

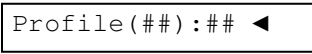

- The MPCW-7 beeper will sound
- The MPCW-7 will display the MPCW-7 revision screen
- The scoreboard will blank
- The MPCW-7 will display the sport
- The scoreboard will load

Save Profile

Save profile is the second option from within the Profile Options

Set all applicable settings before saving a profile.

It is useful to press the new game key to clear the board before making all of the options changes desired prior to saving a profile. If you don't blank the board, your profile will be saved with time and score that will be recalled every time the new game key is pressed. This can be useful if you want the time to be set to 8:00 in basketball for example, or if you prefer the fouls to be '0' by default instead of <blank>.

1. Upon entry into the Profile Options; Press  until the MPCW-7 displays 
2. Press  the MPCW-7 will display 
 - a. The profile number here will be the last profile loaded or saved
3. If the displayed profile is the profile required then press 
4. If the profile displaying is not the required profile then enter the two digit number of the profile required.
 - a. If it is a single digit enter the number and press YES to load

The MPCW-7 will then begin the process of loading a profile.

- The MPCW-7 beeper will sound while saving.

Mistakes in a saved profile

If a mistake was made in the saved profile's settings simply:




1. Load the profile in question
2. Change the setting
3. Save the profile again

Default Lock

Default Lock is the third option within the Profile Options. When enabled, the control will prevent the user from overwriting the default profile created at the factory. The following are the default profile numbers for each sport:

Sport	Default Profile ##
Soccer	88
Football	89
Track	90
Baseball / Softball	91
Lacrosse	92
Basketball	93
Volleyball	94
Wrestling	95
Hockey / Field Hockey	96

To preserve the factory defaults and retain the ability to return the control back to a known state avoid overwriting the factory default profile numbers.

1. Upon entry into the Profile Options; Press  until the MPCW-7 displays 
2. Press  to turn the Default Lock off
 - a. Default Lock automatically turns on each time the control is powered on
 - b. An asterisk indicates that default lock is turned on

Backup / Restore

Used at the factory to output the contents of the profile / wireless data

TROUBLESHOOTING CHART

Problem	Cause	Solution
Cannot access the OPTIONS menu	Time is running	Turn time off before attempting to change settings
Horn does not sound when time has expired	Auto horn is turned off	Enable the auto horn in the Main Time OPTIONS menu
	Volume is set to zero	Change the volume to something other than zero in the Horn OPTIONS menu
	EOP horn is set to zero	Change the EOP horn in the Horn OPTIONS menu to the desired horn sound
Timer counts in wrong direction	Timer direction is set wrong	Change the direction of time in the Main Time OPTIONS menu
Cannot subtract from score	Score keys will add only	Use SET then HOME or GUESTS SCORE key and enter the correct score directly
Cannot clear Time Out Timer from scoreboard without sounding warning horn (teams are ready to play)	Clearing the Time Out Timer forces it to drop to the warning time which sounds the warning horn	Press TIME OUT TIMER twice. The warning horn will be skipped and the time out timer end horn will sound
Tenth second does not show on scoreboard	Main clock is counting up.	Tenth second will not show when main time is counting up
	Time is above one minute	None this is standard operation
Time of day will not display on scoreboard when I press Time of day	Time of day key is not enabled	Use SET TIME OF DAY to enable it
Aux time is displayed on the auxiliary time display, but it is not counting	Hours and minutes are being displayed. The display will change only once each minute	Minutes and seconds will be displayed during the last hour of remaining time
	Time switch is off	Aux time is set to run with the time switch. Either turn the time switch to on/press TIME ON or go to options and disable the option to run with the time switch
The horn randomly goes off during game time while main time is running	Aux timer is running	Start a new game. Go to Aux timer OPTIONS menu and set the aux timer to 00:00. Save the profile
	Segment Timer is running	Start a new game when possible. Go to Segment Timer options menu and disable segment timer. Save the profile.
The Horn randomly goes off while the control is on. Main time is not running.	Aux timer is set to run without the time switch	Start a new game. Go to Aux timer OPTIONS menu and set the aux timer to 00:00 and set the aux timer to run with the time switch. Save the profile
The Horn goes off when turning on the control after transferring it from another scoreboard.	The Model is not set correctly	Go to Options > Model and select the correct Scoreboard Model

If the problem persists please contact the Nevco Service Department.

800-851-4040

GLOSSARY

ALTERNATE TIME CONTROL SWITCHES (keys): Located on the keypad, these 2 keys, TIME ON and TIME OFF, may be used instead of the Hand Held Time Control Switch.

NOTE: These 2 keys are inactive while the Hand Held Time Control Switch is plugged in. To enable them, turn the control off, unplug the Hand Held Switch and restart the control. You may use “Start Where Left off Last” if you wish.

AUTO HORN: Sounds for a minimum of 4 seconds when the main time has expired, stop time is reached, segment timer ends a segment (if set), time out ends, aux time ends, or aux time reaches aux stop time. Main time Auto horn can be disabled through the main time options menu.

NOTE: Auto Horn tones and volumes can be changed via the Horn Options menu

AUX TIMER: An auxiliary timer, separate from the main timer, that can be configured to count up or down and to start and stop with the time control switch or run continuously. It can be viewed on the control by pressing TIME twice, going to Aux Time Options, or on an AUXILIARY TIME DISPLAY. Some uses for the aux timer include timing field or facility usage, or determining how far into a game a certain event happened.

AUXILIARY TIME DISPLAY: Consisting only of a timer, it can display the main time, the AUX TIME or the Time of Day Clock. Auxiliary Time Display models include: 9410, 9510, 9405 and 9505.

BATTERY: Battery powered memory saves the settings and data in the control in case of power failure. It also maintains the accuracy of the time of day when the control is unplugged.

BEEPER: Confirms each key press and alerts operator when time expires.

PROFILE: Saves the current control settings and data so it can be easily recalled later. Up to 100 profiles can be saved for each sport.

BRIGHTNESS LEVEL: The scoreboard can be set to bright or dim for best viewing. Indoor scoreboards default to bright; outdoor scoreboards default to dim.

TIME OF DAY: Time of Day Clock. Once the correct time has been set, the accuracy of the time of day is maintained even while the control power is unplugged. During normal operation, the time of day can be displayed on the control and scoreboard by pressing a single key.

NOTE: Pressing the TIME key or turning the time on will return the main time to the display(s).

DISPLAY: A 16 character display on the control prompts the operator for input and can monitor the scoreboard data.

HAND HELD TIME CONTROL SWITCH: A hand held switch with a coiled cord that plugs into either side of the control. When connected, the alternate time control switches (keys) are disabled. (Makes it easier for another person to control the main time or sound the horn).

INTERVAL HORN: A horn that sounds repeatedly at preset intervals throughout the game. An example of use is to signal when little league hockey teams should change lines. The Interval Horn has been replaced by a more versatile SEGMENT TIMER which can function just the same. (See Segment Timer)

OPTIONS: Consist of game settings and added features useable during a game or practice.

OVERLAY: A flat plastic panel that fits over and around the keys on the control. Tabs at the top and bottom hold it in place. Each overlay provides the proper labeling for each key, Nevco contact information, and the sport name. When you want to change to a different sport, install the correct overlay and enter the sport name on the new sport screen.

SEGMENT TIMER: Sometimes called Practice Timer, it allows a list of time segments to be programmed into the control. As an example the list can then be used for a practice routine or drill. When started, the first segment on the list is loaded into the main timer and starts counting down. When zero is reached, the timer moves to the next segment in the segment timer project. If Auto horn is enabled then the horn will sound for 4 seconds. If Auto advance is enabled the next segment will begin counting if not Time On will need to be pressed.

NOTE: The Segment Timer has replaced the Interval Horn and can mimic it exactly.

STOP TIME: Is a time set for main time or aux time to automatically cease counting. It functionally acts the same as time running out on the clock. The Auto horn will sound if it is set to within the main time options and the horn options.

TENTH SECOND SHIFT TIMER: Automatically shifts from displaying minutes and seconds to seconds and tenths of seconds during the last minute of count down time. (May be disabled if desired)

TIME OUT TIMER: Programmable for different time out lengths and with optional warning horn and an option to display the Time Out time remaining on the scoreboard. (Five different time out timers are available.)

Appendix
(Profile Chart)

Profile _____
Sport _____

Profile _____
Sport _____

Profile _____
Sport _____

Profile _____
Sport _____

Profile _____
Sport _____

Appendix
(Segment Timer)

Troubleshooting Chart

Problem	Cause	Solution
I have to set up the same segment timer project every time I change sports	Not saved in the profile being used. Or using the wrong profile	Go to Profiles in the OPTIONS menu and load the profile that has the segment timer desired saved in it
	Not saved in any profile	Set up the timer as needed, then from the OPTIONS Profiles menu, save a profile. When you start the control, go to the options menu and load the desired profile to use.
I cannot restart a segment	No you cannot restart a segment.	You can change the segment's currently displayed time. As soon as it expires, the next segment in the list is loaded. (The original time remains unchanged.)
The drills are fine, but we need time to get ready for the next drill.	Auto Advance is on	Go to Edit Segment in the Segment Timer Options and turn Auto Advance off for the desired segment.
	No extra segments have been set up for time between drills.	Set up an extra segment, for time to get ready, for each drill.
I cannot tell when all the segments have expired.	If one cannot display segment timer on the Scoreboard or the display is just a timer.	Set up an extra segment or two at the end of the segment list. Set these segments to a short amount of time. Each should have auto horn and auto advance Enabled. The horn sound will alert to the end of the segment timer project
	IF one can display segment timer project on the scoreboard	The segment number is displayed in the Guests place on a standard scoreboard
The horn keeps randomly sounding. (Hockey)	Interval horn is enabled	Go to Interval horn in the options menu, and turn off the Interval Enable option.

If the problem persists please contact the Nevco Service Department.
800-851-4040

Appendix

(Segment Timer)

Segment Timer Project _____

Profile _____

[illegible]

Scoreboard Operator's Instructions

MPCW-7 Control



Some features on the keyboard overlay may not be included on the particular model being operated.



Since 1934

These Instructions are for the Following Models:

LED Models					Incandescent		
3500	36xx*	7504	76xx	1515	3400	7004	1015
3502	86xx	7505		1615	3402	7005	
3504	88xx	7516		1620	3404	7404	
3514		7520		1625	3414	7405	
3515		7524		1632	3415	7415	
3516		7525		DGT-5	3416	7416	
3520		7530		DGT-6	3425	7424	
3525				9505	3434	7425	
3534				9605	9005	7430	
3550				9715	9405		
		*does not include 3657			DGT2		

FOOTBALL

Thank You

Thank You for choosing NEVCO. We appreciate your business.

The following instructions will help you become familiar with the operation and features of the scoreboard system.
Please take a few minutes to study this manual, and to practice with the control.

If you ever have any questions or comments, please call or email us.

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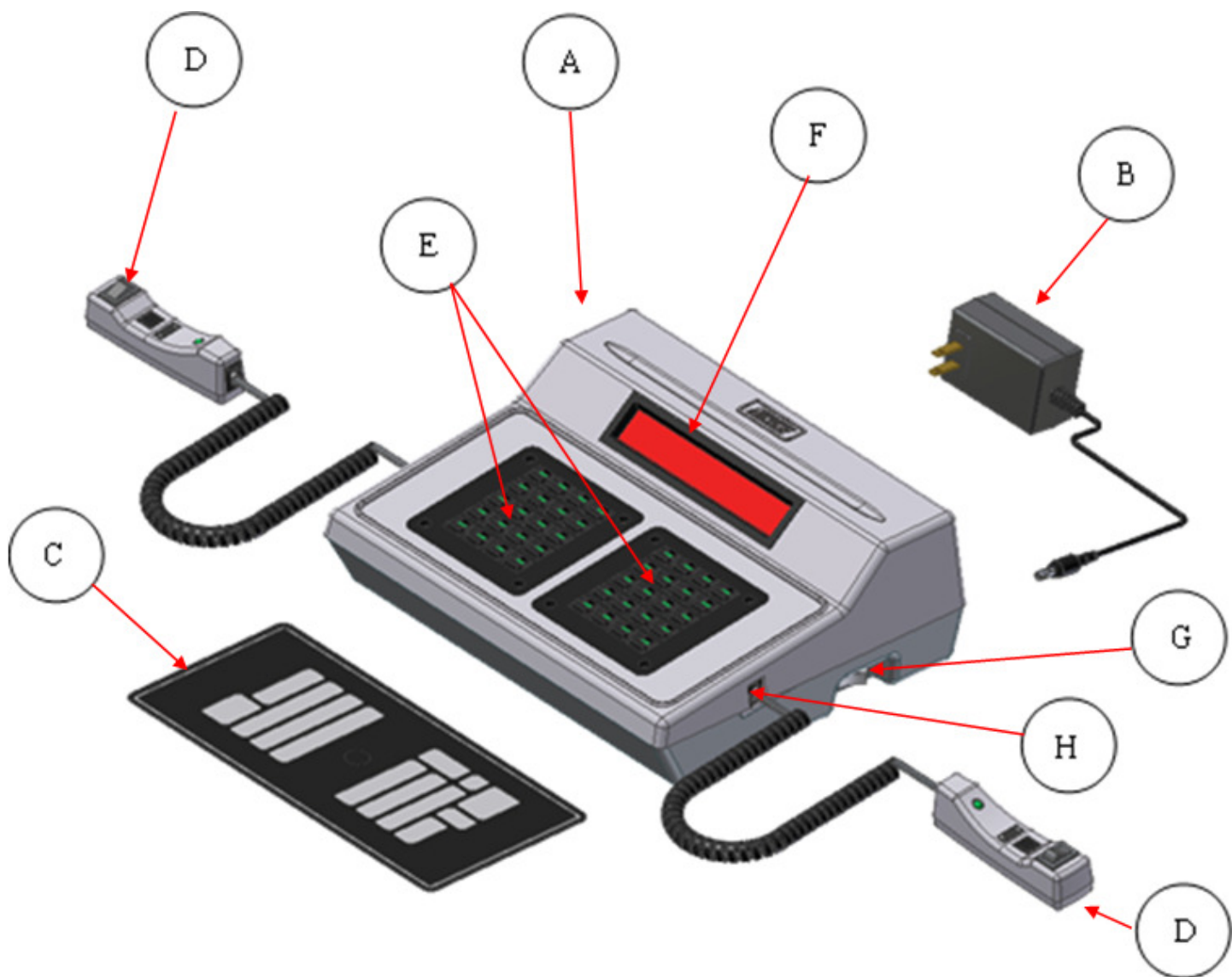


Figure 1 – MPCW Control (front view)

A.	MPCW Control	Can operate scoreboards for a wide range of sports and features.
B.	Power Supply	9 V DC (included with the control)
C.	Overlay	Fits on top of control to label the keys (included with system)
D.	Hand Held Switch	A TCS-7 time control switch is included with each control. Other switches are included with the accessories they operate.
E.	Keypads	Left and Right (20 keys each)
F.	16 character display	Bright LED for better visibility
G.	Power On / Off switch	Removes power from the control only (does NOT turn power off to scoreboard)
H.	Jack for hand held switch	One on each side of control (use either jack for any Hand Held switch)

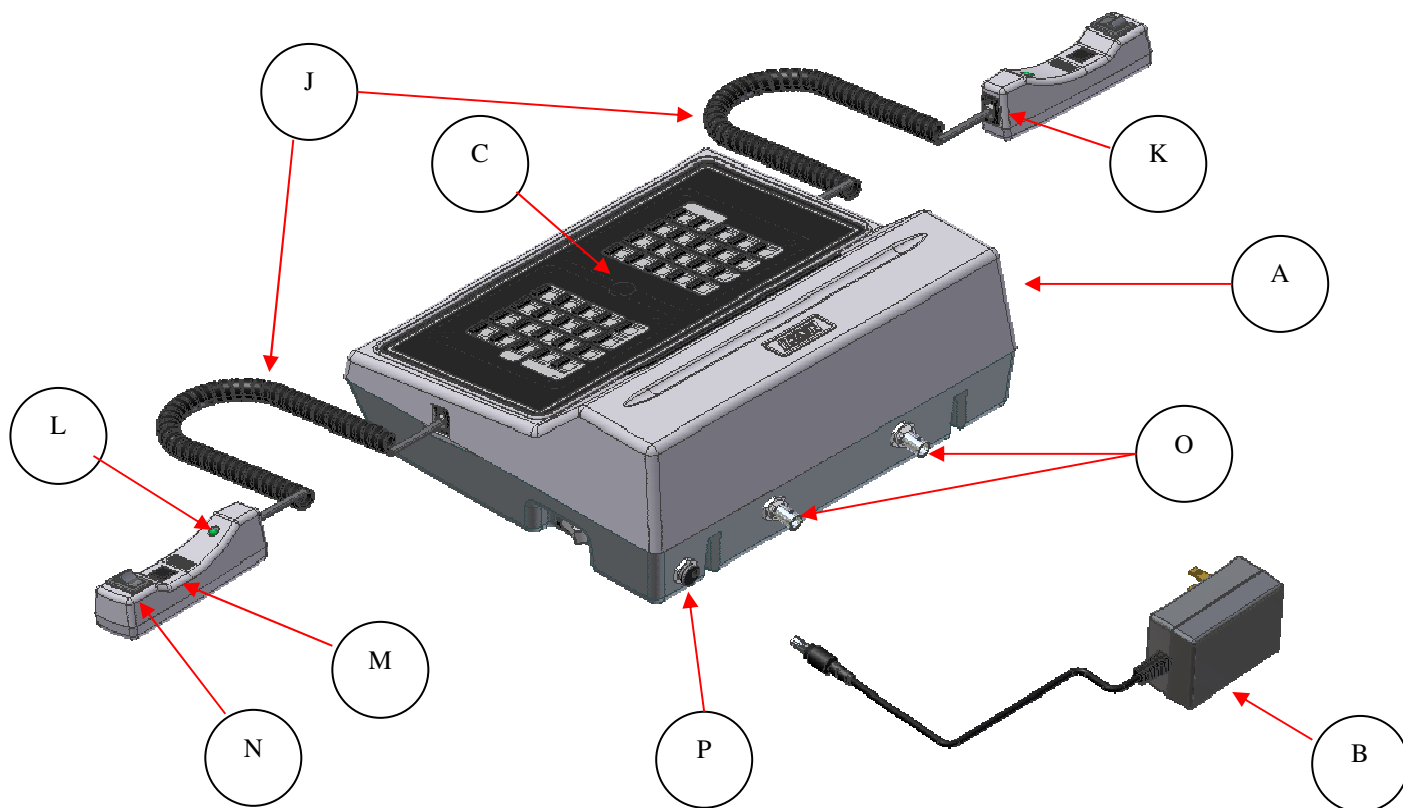


Figure 2 – MPCW Control (rear view)

A.	MPCW Control	Universal – to change sports, change the Overlay and enter the new Model Code.
B.	Power Supply	9 V DC (included with control)
C.	Overlay	For the sports used with the scoreboard
J.	Coiled Cord	Stretches to over 4 ft. (included with switch)
K.	Socket for coiled cord	Makes it easy to replace the cord
L.	LED test indicator	Verifies that the Hand Held switch is working
M.	Remote push button switch	Function depends on type of Hand Held switch (on TCS-7 – sounds the horn)
N.	Remote rocker switch	Function depends on type of Hand Held switch (on TCS-7 – controls the time)
O.	Output to scoreboard	BNC connector for coax cable (use either or both as needed)
P.	Jack for power input	9 V DC

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SETUP

Upon first power up of the MPCW-7 control the control is configured to operate with an x6xx scoreboard as a football control.

New Sport

Scroll Profiles changes the MPCW-7's input and output to operate a new sport. Profiles settings are set with the last profile loaded or saved in that sport. To change sports:

Place the desired sport overlay on the control.

Press  the MPCW-7 will display.



##-SPORT

Enter the sport name using the keyboard or continue to press

Scroll Profiles until the desired sport is displayed.

Refer to the top of the overlay for what to enter into the control.

- The letters are on the right side of the keys.
- All sports are entered in all capital letters
- Once the control can distinguish the sport entered it will auto complete the rest
- If the wrong sport is entered press NO/CANCEL and begin again



Press YES once the desired sport is entered, the control will then change to the sport.

Scoreboard Model


The scoreboard model setting must be set to match the scoreboard being operated.

It is highly recommended to create a profile to save this setting if the MPC-7 is going to be used to control multiple board models.

Scoreboard model will be fully covered in the Sport OPTIONS portion of this manual

NOTE: The scoreboard model should be set before connecting to a Scoreboard.

To change the scoreboard model:

1. Press  until the MPCW-7 displays

Model >>

2. Press 

3. Press  until the desired scoreboard series is displayed

4. Press 

Wireless

- The MPCW-7 can operate one or more selectable wireless receivers depending on the customer's need.
- The receivers can be linked or unlinked depending on the operational requirements at game time.

It is strongly recommended to save wireless settings in each profile used.






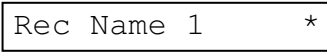
Different wireless settings should be saved to different profiles.

Note: The receiver desired to be linked has to be programmed into the MPCW-7.

To do this follow the instructions in the OPTIONS section of this manual.

Wireless will be further explained in the OPTIONS portion of this manual

To Link or Unlink receivers:

1. Press  until the MPCW-7 displays 
2. Press  MPCW-7 will display 
3. Press  MPCW-7 should display the first receiver in the list. 

Press YES again to link or unlink that receiver. The "*" displayed on the control next to the receiver name means the receiver is linked


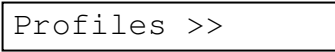



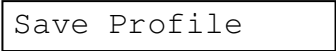

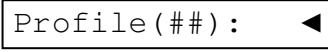
4. To link another receiver:

- Press  to cycle through available receivers 
- Press YES to link that receiver.





Creating a Profile

A profile needs to be created after the scoreboard model and wireless settings are set. It is recommended to save this profile to profile number 1.

To create a profile:

1. Press  until the MPCW-7 displays. 
2. Press  MPCW-7 will display. 
3. Press  until the MPCW-7 displays. 
4. Press  MPCW-7 will display. 




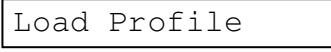




Enter the profile number and name using the keyboard.
Refer to the top of the overlay for what to enter into the control.

 - The letters are on the right side of the keys.
 - If the wrong profile is entered press NO/CANCEL and begin again
5. Press  MPCW-7 will save profile and will display. 
6. Press  to verify profile, MPCW-7 will display. 

For more information about profiles refer to the OPTIONS section of this manual

Note: A default profile for each sport is programmed at the factory for your scoreboard model. If you wish to use a different profile you must turn off the default lock setting before you can load the profile you have created. Each time the control is powered on the default lock is automatically turned on.

To Turn off the Profile Default Lock:

1. Press  until the MPCW-7 displays 
2. Press  MPCW-7 will display 
3. Press  until the MPCW-7 displays 
4. Press  to turn the default lock off 

START UP

New Game

Scroll Profiles changes the MPCW-7's input and output to operate a new game or sport. Profiles settings are set with the last profile loaded or saved in that sport. To start a new game or sport:



Press  the MPCW-7 will display.

##-PROFILE NAME


Enter the profile name using the keyboard or continue to press

Scroll Profiles until the desired profile is displayed.

Refer to the top of the overlay for what to enter into the control.

- The letters are on the right side of the keys.
- All sports are entered in all capital letters
- Once the control can distinguish the sport entered it will auto complete the rest
- If the wrong sport is entered press NO/CANCEL and begin again

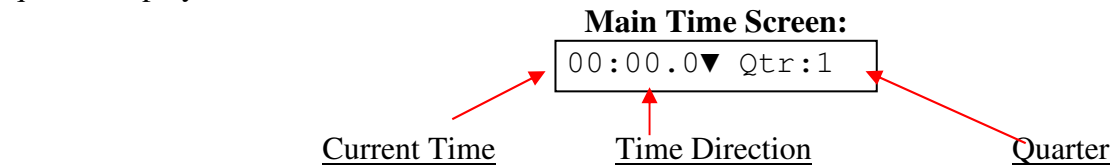


Press  when the desired profile is displayed, the control will then change to that profile.






For more information about profiles refer to the options menu section of this manual

QUICK START GUIDE

With the scoreboard on and the control on the main time screen you are ready to set the time for the first quarter of play.



Set the play clock to 8 minutes

Press	 	The control will show	Time: MM:SS.s◀
Press	 	The control will show	Time: 08:SS.s◀
Press		The control will show	08:00.0▼ Qtr:1

You are now ready for the game to begin.

To Start the Clock


Press

TIME
ON


or use hand-held switch

To Stop the Clock

Press

TIME
OFF


or use hand-held switch

To Silence Auto Horn


Press


HORN


To Add To

Score

Press


HOME
SCORE



GUEST
SCORE
SHIFT


or

Time Outs Left

Press

T.O.
LEFT



T.O.
LEFT


or

Then press a number key to add to the total value


Down

Press

DOWN



To Set Ball On

Press

BALL
ON


Yards to Go

Press

YARDS
TO
GO


Then press a number key to set the value

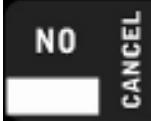
Keyboard Function

YES key



Use to accept settings, confirm data input, and to navigate through options menu

NO key



Use to cancel an operation, reset changes in the process of making them, exit a sub-options menu, and to send the MPCW-7 back to the screen that displays the name of the sport being played.

SET key



Use ahead of a function key to directly enter a value, set times, and correct errors. These functions will be further described throughout the manual

HORN key



Press to sound the scoreboard horn. Release the key to stop the horn.

NOTE: The duration of the horn is limited to 4 seconds.

SCROLL PROFILES key



Press to view profiles and sports. Each key press moves to the next profile/sport.

OPTIONS key



Press to enter and move through the options menu. Each press of the OPTIONS key moves to the next option in the options menu

Time Function

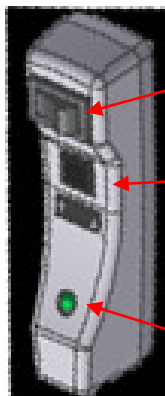
STANDARD TIME FUNCTIONS

1. Main Time - Main time is the time displayed to keep track of game time.
2. Quarter – A number to keep track of which ¼th the game is on
3. Time Out – Time Out consists of 5 settable timers used to time a time out.
4. Time Of Day – The MPCW-7 will keep track of time of day

TIME CONTROLS

The standard keys used for time control.

Hand Held Switch



Two Position Switch

- Right is Time On Left is Time Off

Horn Switch

- Press to sound horn
- Release to silence the horn
- Horn will sound for up to 4 seconds

Indicator Light

- Flashes when connected to a powered up MPCW-7

TIME ON Key



Turns Main Time on and can be used to turn on the Aux timer and Segment Timer if used

TIME OFF Key



Stops Main Time and can be used to stop the Aux Timer and Segment Time if used

Note:

1. Aux timer and Segment timer are fully explained in the OPTIONS section of this manual
2. The Time On and Time Off keys are disabled if the hand held time control switch is plugged in to the control.
3. To make these two keys active again, turn the control power off, disconnect the hand held time control switch, and restart the control.

TIME Key



Press to return to main time screen

Press from main time screen will display aux timer or segment timer

Press from aux timer or segment timer screen to return to main time screen

QUARTER Key



Press QUARTER to set the game quarter

MISC DELAY TIME Key



Press MISC DELAY TIME to run a delay of game timer

TIME OF DAY Key




Press TIME OF DAY to verify the time set within the control and display the time on the scoreboard.

MAIN TIME

- Is the time displayed on the scoreboard to keep track of game time
 - Can count down or up
- To change direction of main time refer to the OPTIONS section of this manual

To Start and Stop Main Time



1. Press  to start main time
2. If time is 00:00.0 and is set to down time needs to be reset to start
3. If time is set to up time will start anywhere



There are two ways to stop main time

1. End time – If time reaches 00:00.0 when time is set to down. The auto horn will sound for four seconds



2. Press  to stop main time

To Set Main Time

1. Press  then  the control will then display

Time: MM:SS.s◀
2. Enter the Minutes, Seconds, and Tenth Second as needed.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.

Example

1. An entry of 1, 2, 3, 4, 5 will set the time to 12 minutes 34 seconds and 5 10s of second (12:34.5)
2. An entry of 1, 2, YES/CONFIRM will set time to 12 minutes (12:00.0)

Note: Pressing NO at any point before the 5th digit is pressed in the time entry process will reset time to previous values

Example

1. Time is set to 10:00.0
2. SET > TIME is pressed and an entry of 1, 2, 3, 4 is entered.
3. NO/CANCEL is pressed.
4. Time will then be set to 10:00.0

QUARTER

In addition to the game time, the quarter helps keep track of where the game is.

To Set the Quarter



Quarter: # ◀

1. Press the control will then display
2. Press the number corresponding to the Quarter
3. The Quarter will be set and the MPCW-7 will then navigate to the main time screen

TIME OUT

- Time out is functionally a set of timers used to organize time outs in a game.
- There is a choice of five programmable timers.
- Time out timer key will not be functional until time is set to off.
- It is optional to display the time out timer on the scoreboard
- Each timer has a programmable warning time.

Warning Time – Is a signal that the end of a time out is approaching. The scoreboard will sound a 2 second horn and the MPCW-7 will navigate itself back to the time out time screen.

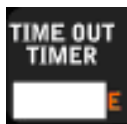
Note: Refer to the OPTIONS section of this manual to

1. Set time out timers
2. Set warning times
3. To display or not display the time out timer on the scoreboard

Defaults

Time Out	Time	Warning
1	:30.0	:15.0
2	:45.0	:15.0
3	1:00.0	:15.0
4	1:15.0	:15.0
5	1:30.0	:15.0

To Start a Time Out



Press TIME OUT TIMER the MPCW-7 will display
The last time out timer used will display as an option to use this timer press YES

Time Out: (1-5)



Use the number keys 1-5 to choose the time out

- The time out number selected will automatically begin counting
- The horn will sound for two seconds at the warning time
- The horn will sound for four seconds at the end of the time out.

Time2: 02:00.0

To Conclude a Time out Early

There may be a desire to skip to the warning time and/or conclude the time out early. To do this while the time is counting:



First, to use this function the MPCW-7 must be on the time out timer screen
To reenter the time out screen press the TIME OUT TIMER key.
If on the time out timer screen press the TIME OUT TIMER key

Time2:

Time2:



- The timer should skip to the warning time.
- The scoreboard's horn should sound for 2 seconds
- The MPCW-7 should beep for 2 seconds



Press the TIME OUT TIMER key again to conclude the time out

- The MPCW-7 will go back to the main time screen
- The scoreboard's horn should sound for 4 seconds
- The MPCW-7 should beep for 4 seconds

12:00.0▼ Qtr:1

MISC DELAY TIME

This function is usually used to provide the delay of game time between plays and can be displayed on a Nevco delay of game timer.

- The Left reset switch (Reset1) is programmed by default to 40 seconds
- The Right reset switch (Reset2) is programmed by default to 25 seconds
- The Button starts or stops the Delay of Game time running.

TIME OF DAY

When Time Of Day is set the MPCW-7 will keep track of Time of Day:

- Time Of Day can function with the 12 and 24 hour clock
- A press of TIME OF DAY will display time of day on the scoreboard in the main time place
- Compatible scoreboards can display time of day while the scoreboard is turned off

Note: Refer to the OPTIONS section of this manual to stick time of day (displays the time while the control is turned off) and change the Time of Day from 12 to 24 hours

To Set Time of Day

1. Press  then ; the control will then display

TOD: HH:MM ◀

2. Enter the Hours and Minutes.

- After all four digits are filled it automatically accepts the time.
- If less than 4 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
- If less than 4 digits are entered and there is an error press NO/Cancel.
 - The previous value is set
 - The control goes back to the main screen

In-Game Stats

In-Game Stats are entries in the control that can or will display on the scoreboard.

Note: Not all in game stats are available to display on all scoreboards.

Football In-Game Stats are HOME and GUESTS:

SCORE	FLAG	DOWN	TIME OUTS LEFT
BALL POSSESSION	BALL ON	YARDS TO GO	

Following are descriptions of the In-Game Stats in detail and how to use them.

Depending on the stat's function there is a possibility of entering game time stats three ways: adding, setting, and indicating.

Adding – Adding is the usual function for In-Game Stats after the stat key (Score, Shots, Etc) is pressed the following number key pressed is added to the total. To add more, press the stat key again. For direct entry, corrections, and SUB IN/OUT refer to Setting.

Example	
HOME SCORE is pressed and the screen displays:	3+ Score 4
6 is pressed the result is:	9+ Score 4

Setting – Rather than add to the total stat selected one can directly enter it. This is setting. It is typically used to directly set the stat selected or correct a previous add.

Example	
SET then HOME SCORE is pressed and the screen displays:	13◀ Score 4
1 then 2 are pressed the result is:	12 Score 4
Or 1 then YES/CONFIRM is pressed. The result is:	1 Score 4

Indicating – Indicating illuminates an indicator light or designated digits to indicate events within a game. For example: possession, penalties, hits, errors, and time outs left. Not all scoreboard models have this function.

Example	
Press HOME BALL POSS and the home possession indicator displays on a 3504 Scoreboard	
Press HOME BALL POSS again and the home possession indicator goes out	

Note:

1. The # represents numerical values in the following examples
2. The “+” indicates the MPCW-7 is in add mode. The side the “+” is on is what side is being added to.
3. The “◀” or the “▶” indicates the MPCW-7 is in set mode. The side the “◀” or the “▶” is on is what side is being set.
4. The left or right is relative to the side of the board that value is going to be displayed, not home or guests. This setting can be changed using the Swap Home&Guests option.
 - a. Refer to the OPTIONS section of this manual

SCORE



Press **HOME SCORE** to enter the home score ADD mode.

The control will display ##+ Score ##



Pressing **GUEST SCORE** will enter the guest score ADD mode.

The control will display ## Score +##

Adding to Score



1. Press

or

2. The control will display ##+ Score ## or ## Score +##

3. Enter any value 0-9 and it will add that value to the value with the “+”.
- To add more start from step 1

Note:

- You cannot subtract from the value. To correct a mistake refer to Setting Score

Setting Score



1. Press

then

or

2. The control will display ## ◀ Score ## or ## Score ▶ ##

3. 1st digit: Enter any value 0-9
- If that single digit value is the desired setting, then press YES, if not continue to step 4
4. 2nd digit: Enter any value 0-9

Note:

- A zero in the 10's spot will automatically be removed and leave a single digit value.



At any time before the 1's digit is placed NO can be pressed to restore the previous value and cancel the function.

BALL POSSESSION

If the Ball Possession screen is not active the first time the button is pressed then the control will display the current ball possession settings.



Press Home **BALL POSS** to turn on or off the home possession indicator

If the Guests is turned on and Home BALL POSS is pressed the Guests will turn off and the Home will turn on.

The MPCW-7 will display:

H Possession



Press Guests **BALL POSS** to turn on or off the Guests possession indicator

If the Home is turned on and Guests BALL POSS is pressed the Home will turn off and the Guests will turn on.

The MPCW-7 will display:

Possession G

TIME OUTS LEFT



Press **HOME T.O. LEFT** to enter the home score ADD mode.

The control will display

##+ Time Outs ##




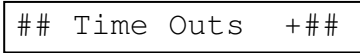


Press **GUESTS T.O. LEFT** to enter the home score ADD mode.

The control will display

##+ Time Outs +##





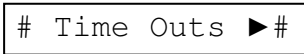
Adding to Time Outs Left

1. Press  or 
2. The control will display  or 
3. Enter any value 0-9 and it will add that value to the value with the “+”.

Note:

1. You cannot subtract from the value. To correct a mistake refer to Setting Time Outs Left

Setting Time Outs Left

1. Press  then  or 
2. The control will display  or 
3. Enter any value 0-9

Note:

1. A zero in the 10's spot will automatically be removed and leave a single digit value.

FLAG



Press **FLAG** to turn on or off the Flag indicator

BALL ON



Press **BALL ON** to enter the Ball On SET mode

The control will display

Ball On: ## ◀

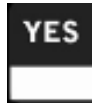
Setting Ball On



1. Press
2. The control will display
3. 1st digit: Enter any value 0-9

Ball On: ## ◀

- a. If that single digit value is the desired setting, then press



4. 2nd digit: Enter any value 0-9

Note:

1. A zero in the 10's spot will automatically be removed and leave a single digit value.

DOWN



Press **DOWN** to enter the Down SET mode

The control will display

Down: # ◀

Setting Down



1. Press
2. The control will display
3. Enter any value 0-9 to set the down

Down: # ◀

YARDS TO GO



Press **YARDS TO GO** to enter the Yards to Go SET mode

The control will display

Yards To Go: ##◀

Setting Yards to Go

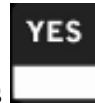


1. Press

2. The control will display

Yards To Go: ##◀

3. 1st digit: Enter any value 0-9



a. If that single digit value is the desired setting, then press **YES**, if not continue to step 4

4. 2nd digit: Enter any value 0-9

Note:

1. A zero in the 10's spot will automatically be removed and leave a single digit value.

YARDS TO GO Special features

On boards supporting the Nevco Intelligent Caption feature, the caption plate indicating yards “**TO GO**” can change to show “**INCHES**” or “**GOAL**”. It is not intended on these scoreboard models to indicate the number of inches to gain a 1st down, but rather add to the excitement that there are merely “inches” to get it. Also a 1st, 2nd, 3rd or 4th and GOAL situation can be displayed rather than just blanking the digits or duplicating the BALL ON field.



Press **TO GO** prior to entering the yards TO GO SET mode, and the intelligent caption models will switch to read “TO GO” and display a number from blank, 0 – 99.

Press **INCHES** and the intelligent caption models will switch to read “INCHES” and the digits are automatically blanked.

Press **GOAL** and the intelligent caption models will switch to read “GOAL”.

Football Options

There is one unique option for football. It is Delay of Game Timer Reset.

Delay of Game Timer Reset

This allows you to set default times for the delay of game timer. Each time the time on key is pushed the delay of game timer will display the default time that has been entered. If you do not desire two different reset times, Nevco recommends programming them both to your desired Delay of Game reset time.



Press OPTIONS until the MPCW-7 display reads

DGT Reset1: 40.0



Press YES, and then the enter value

DGT Reset1: SS.s



Press OPTIONS until the MPCW-7 display reads

DGT Reset2: 25.0



Press YES, and then the enter value

DGT Reset1: SS.s

SCOREBOARD CAPTIONS

Changeable captions aren't applicable to all scoreboards. For those whom are operating a scoreboard with changeable captions it may be desired to set the scoreboard captions to something other than the default. It is highly recommended to create or add this setting to a profile to save the caption settings.

Scoreboard captions will be further explained in the Sport Options portion of this manual.



Press OPTIONS until the MPCW-7 displays

Captions >>



Press YES



Press OPTIONS to toggle through each caption until the caption desired displays

CHANGE CAPTIONS

Change Captions is a scoreboard feature that allows one to display different data in designated locations on the scoreboard. To get to the Change Captions Menu:



Press OPTIONS until the control displays

Change Captions



Press to enter Captions Menu. Control displays

Dwn ToGo BO QTR *

Note

1. A "*" in the change captions menu represents the current captions setting.
2. This feature is only available in the x6xx series scoreboards with football function.
3. Not all scoreboards with this feature have all four sets (set = home and guest) of changeable captions.
 - a. For example if there are two sets of captions the scoreboard will display the two on the left of the configuration

Caption Configurations

As stated earlier in this manual the default football captions are Dwn (Down) ToGo (To Go) BO (Ball On) QTR (Quarter) and BO (Ball On) Dwn (Down) ToGo (To Go) QTR (Quarter).

OPTIONS

The OPTIONS menu consists of game settings and added features useable during a game or practice.

The OPTIONS are set into 13 possible selections:

- | | | |
|---------------|-----------------------|----------------------|
| 1. Brightness | 6. Segment Timer | 11. Wireless |
| 2. Team Names | 7. Time Out Timer | 12. Scoreboard Model |
| 3. Profiles | 8. Swap Home & Guests | 13. Time of Day |
| 4. Main Time | 9. Aux Display | |
| 5. Aux Time | 10. Horn Settings | |

Each press of the OPTIONS key will toggle through these options. Press a function key or cancel to abort the options mode. It is important to note that unless you save the profile these option settings will revert when the new game key is pressed, so after changing the brightness, programming timeout timers, etc. Go to the Profiles section.

OPTIONS menu Navigation

There are three keys to use to navigate through the OPTIONS menu: OPTIONS, YES, and NO/CANCEL.

OPTIONS key



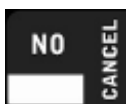
Use to scroll to the next option in the OPTION menu and sub-options menus.

YES key



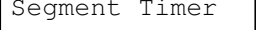
1. Used to select an option or enter a sub-option menu
2. Used to confirm changes made
3. Used to change a value

NO/CANCEL key

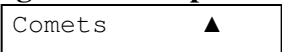


1. Used to exit a sub-option.
2. If pressed enough times it will bring one back to the screen that displays the name of the sport being played.
3. Used to Cancel/Reset a change if the change has not been completed or confirmed

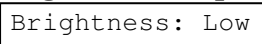
Navigation Example 1

1. **OPTIONS** is pressed until  displays.
2. **YES** is pressed to enter the Segment Timer menu
3. **NO/CANCEL** is pressed to Exit the segment timer menu

Navigation Example 2

1. Left Team name is entered to 
2. **YES** is pressed to confirm changes made
3. If **NO/CANCEL** is pressed rather than YES it will cancel the name entered and cease modifying Left Team Name

Navigation Example 3

1. **OPTIONS** is pressed until  displays.
2. **YES** is pressed to change the Brightness to High
3. **NO/CANCEL** is pressed to exit the options menu back to the main screen

BRIGHTNESS

Ambient lighting conditions may cause the scoreboard to be too bright or dim. To remedy this go to the brightness options to toggle scoreboard brightness between bright or dim.

Example

Brightness: High

Better suited for daylight conditions to better see the scoreboard
Not well suited for low light conditions

Brightness: Low

Well suited for low light conditions
May be difficult to see during daylight conditions

To Change Brightness:

OPTIONS

YES

Press OPTIONS until the MPCW-7 display reads

Note: “*****” represents High or Low

To toggle between High or Low scoreboard brightness

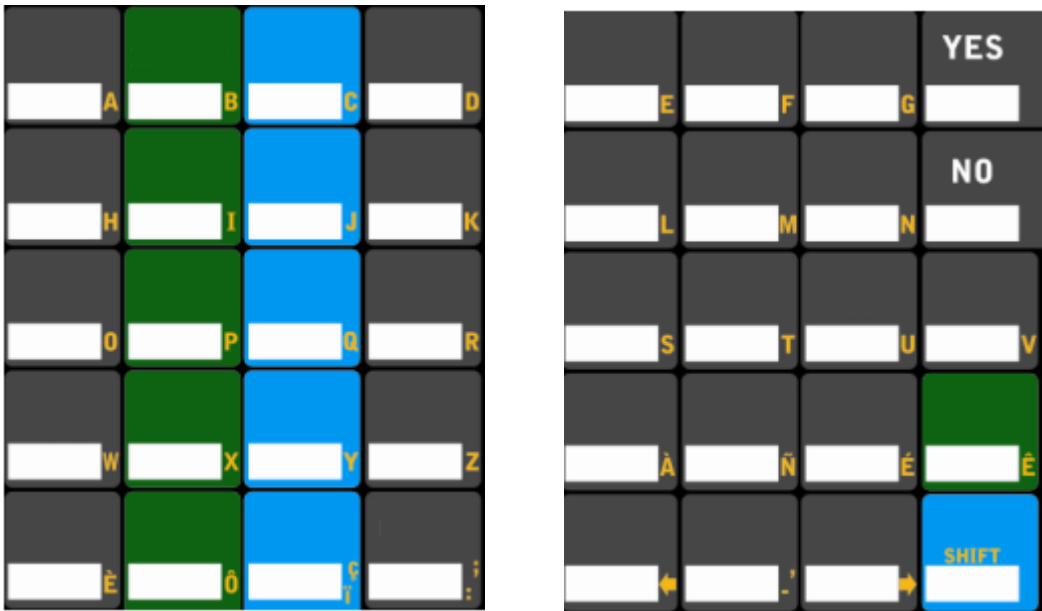
Brightness: ****

TEAM NAMES

The team names option works with the Electronic Team Names (ETN) package in a Nevco scoreboard system. Using this system can replace the usual vinyl HOME and GUESTS with an LED display used for displaying the team names.

Electronic Team Name keypad

The Team name keypad is marked in the orange color on the MPCW-7 keypad.




Note: The standard function text and symbols have been removed for example only.

The letter and number keys are self explanatory. There is however a few function keys that are important to know in the Electronic Team Name keypad.


Backspace



The  key is used as a backspace button while entering team names

Space




The  key is used as a space during while entering team names


Shift Key

Default: uppercase letter state



1st press “”: Changes to lowercase letters

2nd press “#”: Changes from letter entry to number entry

3rd press “”: Back to uppercase letters

Changing Team Names

First enter the **Team Names Menu**



Press OPTIONS until the displays reads


Team Names >>



Press to enter Team Names Menu display reads

Home Team Name


Note:

1. During entry of a team name  be pressed to cancel changes and move to another selection
2. Team names can be up to 12 characters
3. Depending on the display, if the team name is long enough it will shrink both left and right displays to fit one or both

Guests Team name

Guests Team Name is the default entry point to the team names menu




1. Press  to modify guest team name
 - a. This enters the Guests team name editing screen
2. Enter the team name using the letters (upper and lower case), numbers, backspaces, and spaces as required.

Guest Team Name

GUESTS ▲

ABCdef123000 #




3. Press  to confirm the team name entry
 - a. Menu will then go to the Home team name option

Home Team Name

Home Team name

Home Team Name is automatically the option after modifying the right team name.




1. Press  on the left team name screen
 - a. This enters the HOME team name editing screen
2. Enter the team name using the letters (upper and lower case), numbers, backspaces, and spaces as required.



HOME ▲

Comets ▲



3. Press  to confirm the team name entry
 - a. Control will then go back to the option to edit Guests team name
 - b. Press YES if there is a correction required if not;

Guest Team Name

4. Press  to return to the main OPTIONS menu or press  to return to main time screen.

MAIN TIME

Main time options are:

Direction – Main time can count up or down

Auto Horn – The horn sounding when time runs out or when time reaches Stop Time.

Style – Allows you to display main time in hour/minute format or minute/second format.

Disable 0.1 – When main time is under a minute, it will shift to display SS.TT instead of MM:SS. This is the default behavior. When “Disable .1” is selected, then main time will always display as MM:SS. (M for minutes, S for seconds, and T for tenth of seconds.)



Press OPTIONS until the MPCW-7 display reads

Main Time



Press to enter main time menu

Changing the Direction of Main Time



1. From Main Time menu press

Note: The direction arrow could be ▼ ▲

Direction: ▼



2. Press to toggle the direction of time

Direction: ▲

Turning Auto Horn On or Off



1. From Main Time menu press

Note: The “*” designates the Auto Horn is on.

Auto Horn:



2. Press to turn Auto Horn On or Off.

Auto Horn: *

Changing Main Time Style

Within Main Time menu:



1. Press until the MPCW-7 display reads

Style >>



2. Press

MM:SS



3. Press to scroll through the styles

HH:MM



4. Press to enable the time style you want to use
a. An asterisk indicates which style is enabled

Disabling and Enabling 0.1 Seconds Time Shift



1. From Main Time menu press

Note: The “*” designates the Disable .1 is on. (Will not shift time)

Disable .1



2. Press to disable 0.1 seconds shift.

Disable .1 *

AUX TIME

The control has a built in auxiliary timer that can be used for many purposes. It can be configured to count up or down. It can run continuously or only when the main time is running. It can be displayed on the control by pressing the time key twice in succession. It can also be configured to display on an auxiliary time display if one is part of your system. Some uses for the auxiliary timer include timing field/facility usage or it can be used to determining how far into a game a certain event happened.

Aux Time Options are:

1. *Setting Aux Time* – Aux time can be set to count down or up from a certain settable time. To set the time use this option
2. *Direction* – Aux time can count up or down according to the need or desire of the user. Use this option to adjust Aux time to run up or down.
3. *Time switch Operation* – Aux time can be operated with the same time switch used to operate main time.
4. *Setting Aux Stop Time* – Aux stop time is functionally the same as stop time for main time. It is the set time where Aux time will cease counting. **Note:** Aux stop time will not stop time if set to 00:00 and Aux Time is cycling from 99:59.9 to 00:00.0 . It is treated as 100 hours
5. *Style* – Aux time can be entered in hour/minute format or minute/second format.

To get to Aux Time options:



Press OPTIONS until the MPCW-7 display reads

Aux Time >>




Press to enter aux time menu

Setting Aux Time


Within Aux Time menu:



1. Press  until the MPCW-7 display reads Aux time.
 - a. If Aux time has never been set up before or Aux time has counted down to zero the MPCW-7 display will read

Aux: 00:00.0▲





2. Press  to begin editing Aux time
3. Enter the minutes, seconds, and 10th of seconds.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 5 digits are entered it restores the previous value and completes the editing process

Aux: MM:SS.S◀

Changing Direction of Aux Time

Within Aux Time menu:

1. Press  until the MPCW-7 display reads
2. Press  to change the direction of time
 - a. For time counting up display will read
 - b. For time counting down display will read



Direction: ▲

Direction: ▲

Direction: ▼

Setting Time Switch Operation

Within Aux Time menu:



1. Press  until the MPCW-7 display reads
2. Press  to enable or disable time switch operation of Aux Time
 - a. The * represents enabled

Time Switch:

Time Switch: *

Setting Aux Stop Time

Within Aux Time menu:





1. Press  until the MPCW-7 display reads Stop Time.
 - a. If Aux Stop Time has never been set before display will read
2. Press  to begin editing Aux Stop time
3. Enter the Minutes and Seconds.
 - a. After all four digits are filled it automatically accepts the stop time.
 - b. If less than 4 digits are entered and YES is pressed then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 4 digits are entered it restores the previous value and completes the editing process

Stop Time:00:00

Stop Time:MM:SS◀

Changing Aux Time Style

Within Aux Time menu:

1. Press  until the MPCW-7 display reads
2. Press  to begin editing Aux Stop time
3. Press  to scroll through the styles
4. Press  to enable the time style you want to use
 - a. An asterisk indicates which style is enabled

Style >>

MM:SS

HH:MM

SEGMENT TIMER

A **segment timer** is used for pacing organized practices, as an interval horn, and can be used for other practical uses as well. As an example: a segment consists of a practice event (playbook time, running drills, breaks, etc) that is run for a set period of time. Once the time has expired, a new segment is entered and the drill changes. The segment timer will count down from the programmed segment time to zero. The MPCW-7 segment timer function has a maximum of 20 segments.

There are three settings to be set in each segment: time, auto horn, and auto advance. **Auto horn** sounds the horn at the end of a time segment. If **Auto Advance** is enabled, when the current segment completes the next segment time begins counting automatically.

Segment Timer Projects

As stated earlier a segment timer project has a maximum of 20 segments.

Saving a Segment Timer Project

To save segment timer project create one, then save it using the Profiles option in the OPTIONS menu.

Segment timer projects can take some time to set up. If a standard segment timer project is desired for regular use it is highly recommended to save it.

Interval Horn

The simplest segment timer project is the **interval horn**. An interval horn is used to sound the horn every time the set time completes. The interval horn is a one segment, segment timer project with auto horn and auto advance enabled. The project cycles through the allotted segment time, sounds the horn, and goes back to the beginning to start the process over again. A good example for interval horn use is little league hockey. In many little league hockey leagues they use an interval horn to signal on ice shift changes. Here are the settings to set to operate an interval horn project

Example: Interval Horn			
Segment 1	Segment Settings		Result
Signal player shift change	Segment Time	1:00	1 minute counts to 0. Horn Sounds at the end of time. Segment 1 restarts
	Auto Horn	ON	
	Auto Advance	ON	

Practice Timer

A typical segment timer project is a practice timer. The practice timer is used to organize practice into segments for different practice functions. Each segment is set to a certain time representing a required time for a practice event. When the next segment begins the team moves to the next event in the schedule.

Segments can be set to automatically begin if required or to begin upon pressing the TIME ON key on the MPCW-7 by toggling the auto advance function in the edit segment menu. Segment end can be signaled by the sounding of the horn or not by setting the Auto Horn function in the edit segment menu. Here is an example of a practice timer project:

Example: Organized Practice			
<u>Segment 1</u>	<u>Segment Settings</u>		<u>Result</u>
Stretching and Calisthenics	Segment Time	10:00	10 minutes counts to 0. Horn Sounds at the end of time. Segment 2 is prompted but not counting
	Auto Horn	ON	
	Auto Advance	OFF	
<u>Segment 2</u>	<u>Segment Settings</u>		<u>Result</u>
Agility Training	Segment Time	10:00	10 minutes counts to 0. Horn Sounds at the end of time. Segment 3 begins counting
	Auto Horn	ON	
	Auto Advance	ON	
<u>Segment 3</u>	<u>Segment Settings</u>		<u>Result</u>
Linemen to sleds. Backs, Receivers, TE, and QBs to drill routes Etc.	Segment Time	2:00	2 minutes counts to 0. Segment 4 begins counting
	Auto Horn	OFF	
	Auto Advance	ON	
<u>Segment 4</u>	<u>Segment Settings</u>		<u>Result</u>
Players and coaches begin position specific drills	Segment Time	10:00	10 minutes counts to 0. Horn Sounds at the end of time. Segment 5 begins counting
	Auto Horn	ON	
	Auto Advance	ON	
<u>Segment 5</u>	<u>Segment Settings</u>		<u>Result</u>
Offence and Defense join to run plays	Segment Time	20:00	20 minutes counts to 0. Horn Sounds at the end of time. Segment 6 begins counting
	Auto Horn	ON	
	Auto Advance	ON	
<u>Segment 6</u>	<u>Segment Settings</u>		<u>Result</u>
Team Strategy meeting	Segment Time	20:00	20 minutes counts to 0. Horn Sounds at the end of time.
	Auto Horn	ON	
	Auto Advance	OFF	

Main Menu

There are three options in the main segment timer menu.

1. Enable – Enables or disables the segment timer function in the control. Disable will remove a displayed segment timer from the scoreboard.
2. Display on Scoreboard – Option to display or not display segment timer in place of standard Main Time on the scoreboard. This option is unusable if the segment timer is disabled
3. Edit Segment – Use this option to edit segments, and create a segment timer project.





Press OPTIONS until the MPCW-7 display reads

Segment Timer >>





Press YES to enter Segment Timer Menu

Enable or Disable

1. Press  after entry in the segment timer menu until display shows Enable
2. Press  to enable or disable segment timer function
Note: The “*” means that it is Enabled Enable *

Display on Scoreboard



1. Press  after entry in the segment timer menu until display shows Disp On Board
2. Press  to display segment timer on the scoreboard
Note: The “*” means that it is Enabled Disp On Board *

Edit Segment



The Edit Segment menu is used to edit segments and edit the segment timer project. There are 6 options in the Edit Segment menu.

1. Segment Main Time – Option to edit segment main time
2. Auto Horn – Enables or disables Auto Horn function
3. Auto Advance – Enables or disables Auto Advance function
4. Next Segment – To edit the next segment in the project. If the project is less than 20 (the others are set to 0.0 time) then it adds a segment to the project
5. Insert Segment – Moves the current segment forward and edits another segment in place of it
6. Delete segment – Deletes current segment



Entering Editing Segment menu

1. Press  after entry in the segment timer menu until display shows Edit Segment
2. Press  to enter Edit Segment menu Seg: 1 ##:##

Editing Segment Main Time

1. Press  after entry in the segment timer menu until display shows Seg: 1 ##:##
2. Press  to edit the current segment Seg: 1 ##:##◀
3. Enter the Minutes and Seconds.
 - a. After all four digits are filled it automatically accepts the time.
 - b. If less than 4 digits are entered and YES is pressed then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 4 digits are entered it restores the previous value and completes the editing process



Toggle Auto Horn

1. Press  after entry in the edit segment timer menu until display shows
2. Press  to toggle the auto horn function in the selected segment
 - a. The “*” represents Auto Horn is enabled

Seg: # Auto Hrn

Seg: # Auto Hrn*



Toggle Auto Advance

1. Press  after entry in the edit segment timer menu until display shows
2. Press  to toggle the auto advance function in the selected segment
 - a. The “*” represents Auto Advance is enabled

Seg: # Auto Adv



Seg: # Auto Adv*

Next Segment

1. Press  after entry in the edit segment timer menu until display shows
2. Press  to advance the segment number
 - a. Segment number only goes up to twenty and rolls back to 1

Seg: # Next Seg



Insert Segment

1. Press  after entry in the edit segment timer menu until display shows
2. Press  to insert a segment into the current segment position
3. Enter the Minutes and Seconds.
 - a. After all four digits are filled it automatically accepts the time.
 - b. If less than 4 digits are entered and YES is pressed then zeros will be placed in the unfilled digits and the time will be accepted.

Insert Segment

Seg: 1 ##:##◀

Delete Segment

1. Press  after entry in the segment timer menu until display shows
2. Press  to delete the current segment
 - a. All subsequent segments will move up in position to fill the spot of the deleted segment

Delete Segment

Seg: 1 ##:##◀

TIME OUT TIMER

Time out timer options are:

Display On Scoreboard – If enabled a running time out timer will display on the scoreboard

Edit Time Outs – To change time out times or time out warning times select this option



Press OPTIONS until the MPCW-7 display reads

TimeOut Timer >>

Press YES to enter main time menu

Display Time Out Timer on Scoreboard

The first selection in the Time Out Timer menu should be the display on scoreboard option.



If required to cycle back to the display on scoreboard screen

Disp On Board



To display or not display the time out timer on the scoreboard

Disp On Board*

Note: the asterisk means that it is enabled

Edit Time Outs Menu

There are 3 options within the “Edit Time Outs” menu

1. Edit Current Time out – There are 5 individual time out timers that can be set individually. The first time out entered is either the last time out used or defaults to time out timer 1.
2. Edit current warning time – Each time out timer has a settable warning time
3. Next time out – To edit another of the five time out timers.



Press until MPCW-7 display reads




Edit Time Outs

To enter the Edit Time Outs menu

Time#: #:#.:#

Next Time Out

If the current time out isn't the time out that is desired to be edited:



1. Press  until the MPCW-7 display shows
 - a. The number next to it is the current time out to be edited
2. Press  until the MPCW-7 display shows the desired time out to be edited
3. Press  to go back to editing that time out

Next Time Out

Time#: #:#.:#

Edit Current Time Out

If the current time out is the time out desired to be edited:



1. If not currently on the edit time out screen press  until MPCW-7 displays
2. Press  The MPCW-7 will display
3. Enter the minutes, seconds, and 10th of seconds.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 5 digits are entered, it restores the previous value and completes the editing process

Time#: ##:##.##

Time#: MM:SS.s ◀

Edit Current Time Out's Warning Time

If the current time out is the time out desired to be edited:

1. If not currently on the edit warning screen press  until the MPCW-7 displays
2. Press : The MPCW-7 will display
3. Enter the minutes, seconds, and 10th of seconds.
 - a. After all five digits are filled it automatically accepts the time.
 - b. If less than 5 digits are entered and YES is pressed, then zeros will be placed in the unfilled digits and the time will be accepted.
 - c. If NO/CANCEL is pressed before all 5 digits are entered, it restores the previous value and completes the editing process

Warn#: ##:##.##

Warn#: MM:SS.s ◀

SWAP HOME AND GUEST

This function does just as it says. All Home and Guests values switch places on the display and in the control's display. Home and Guests team names switch if the scoreboard has electronic team names.

Note: Home and Guest keys do not swap on the MPCW-7



Press after entry in the segment timer menu until display shows

Swap Home&Guest



Press to switch all values of home and guests

Swap Home&Guest*

AUXILIARY DISPLAY

This function allows you to choose one of the following to display on the auxiliary timer: main time, auxiliary time, or time of day.



Press OPTIONS until the MPCW-7 display reads

Aux Display >>



Press YES to enter the Auxiliary Display menu

Display Main



Press OPTIONS to scroll through the list



Press YES to enable the time you want to display on the auxiliary timer

enabled

Display Main*

Note: An asterisk indicates which option is

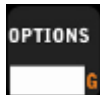
HORN SETTINGS

Each horn type can be changed from a selection of 9 different tones. The horn output volume can be changed as well. This is done within the horn settings option. (Only available on select models)

NOTE: Horn settings may not affect scoreboards that are not in the outdoor x6xx series.

Tones can be described as:

Tone Setting	Description
Tone = 0, or blank	Mute
Tone = 1	Yelp
Tone = 2	Buzzer
Tone = 3	Car Horn
Tone = 4	Fog Horn
Tone = 5	156 Hz
Tone = 6	270 Hz
Tone = 7	285 Hz
Tone = 8	303 Hz
Tone = 9	385 Hz



Press OPTIONS until the MPCW-7 display reads

Horn Settings >>




To enter the Horn Settings menu

Volume: #

Horn Volume


Adjusting the horn volume affects all 5 different horns. To adjust the horn volume:

1. Press  if not already on the horn volume screen until the display shows

Volume: #


2. Press  the MPCW-7 will display

Volume: #◀

3. Press the desired volume number key from 0 (muted) to 9 (max), or to disable the horn press  a. Volume is then set.

EOP Horn Tone


This setting will change the EOP (end of period) tone and main stop time tone. To change the tone:

1. Press  until the display shows

EOP Tone: #




2. Press  the MPCW-7 will display

EOP Tone: #◀

3. Press the desired horn tone key from 0 to 9; or  to disable the EOP horn

Horn Key Tone

This setting will change tone of the horn that sounds when the horn key is pressed. To change the tone:



1. Press  until the display shows
2. Press  the MPCW-7 will display
3. Press the desired horn tone key from 0 to 9; or  to disable the horn key

Key Tone: #

Key Tone: #◀

Aux Horn Tone

This setting will change both the Aux stop time and end time horn tone.



1. Press  until the display shows
2. Press  the MPCW-7 will display
3. Press the desired horn tone key from 0 to 9

Aux Tone: #

Aux Tone: #◀

Time out Timer Tone

This setting will change both the end time out tone and warning time tone.



1. Press  until the display shows
2. Press  the MPCW-7 will display
3. Press the desired horn tone key from 0 (no horn tone) to 9

TimeOut Tone: #

TimeOut Tone: #◀

Segment Timer Horn Tone

This setting changes the segment timer auto horn tone.



1. Press  until the display shows
2. Press  the MPCW-7 will display
3. Press the desired horn tone key from 0 (no horn tone) to 9

Segment Tone: #

Segment Tone: #◀

WIRELESS

The Wireless options are to link receivers, add receivers, and delete receivers from the control. To set the wireless options:

1. Press  until the MPCW-7 display reads
2. Press  Press YES to enter the Wireless Options menu

Wireless >>


Link Receiver

Add Receiver

The MPCW-7 stores any receivers it uses in memory. If a new receiver is required because of a new scoreboard installation, maintenance, or a new component in the existing Nevco, Inc. scoring system begin by adding a receiver.

Be sure to have the receiver serial number ready it will be needed to add a receiver to the MPCW-7.

From the “Link Receiver” screen:

1. From the Link Receiver screen: press  until the display shows

Add Receiver

2. Press  the MPCW-7 will display

Receiver# ◀

3. Enter the six digit receiver serial number

- a. The control will then navigate to name the receiver

4. Enter a receiver name using the team name number and letter keys.

- a. The receiver name is entered just as a team name is. For more reference refer to the “Team Names” Section

- b. It is recommended to name the receiver according to what it controls

SOC FIELD 1 ▲

Note: Once a new receiver is added it is added to all profiles as linked. If this is not a desirable state then for each profile used save it according to what the receiver needs are.

Link Receiver


The MPCW-7 allows the user to choose which wireless receivers to use during operation. The receivers used default to being linked this setting allows one to toggle the use of each receiver added to the MPCW-7. To link or unlink a receiver:

1. If using profiles load the profile desired to change the wireless settings
 - a. Refer to the Profiles section of this manual
2. Enter the wireless options menu by pressing OPTIONS until “Wireless” displays and pressing YES. MPCW-7 will display the Link Receiver screen.

Link Receiver

3. Press  the MPCW-7 will display the first receiver added to the MPCW-7




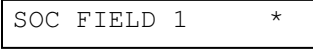

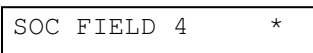

SOC FIELD 1 *

4. If that receiver is desired to link or be unlinked press 
 - a. The asterisk designates a Linked state
5. If there are more receivers within the MPCW-7 press OPTIONS to go through each
6. Repeat steps 3 thru 5 until all receivers are at their desired state
7. If using profiles save the current profile
8. If using profiles repeat steps 1 thru 7 for all profiles with different wireless settings.

Delete Receiver

The MPCW-7 stores added receivers it uses in memory. If it is necessary to delete a receiver because it is no longer in use, defective, etc the Delete Receiver menu is used.

Warning: Deleted receivers are deleted from the control as a whole. To make a receiver not operate in certain circumstance refer to the “Link Receiver” process.


1. From the Link Receiver screen: press  until the display shows 
2. Press  the MPCW-7 will display the first receiver added to the MPCW-7 
3. If this is not the receiver to be deleted press  until that receiver displays 
4. Press  and that receiver is deleted from the MPCW-7

Note: Once a receiver is deleted it is deleted from all profiles and is not remembered by the control. To correct a mistakenly deleted receiver refer to “Add receiver” and “Link Receiver” as needed.


TIME OF DAY

Use this option to:

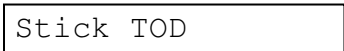

- Stick time of day on the scoreboard when the MPCW-7 is turned off
- Toggle the clock between 12 and 24 hours



Press OPTIONS until the MPCW-7 display reads







Press YES to enter the Time of Day Options menu



Stick TOD


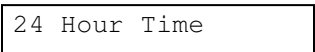

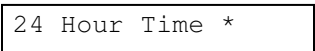
When this function is enabled the scoreboard will display the time of day after the MPCW-7 is shut off. This feature does not support 24 hour format.

To enable or disable this function from the Time of Day Options menu:

1. If the MPCW-7 is not currently on the Stick TOD screen press  until the MPCW-7 displays 
2. Press  to enable or disable this function.
 - a. The * on the screen means that this function is enabled
 - b. If this function is enabled then the MPCW-7 is shut off the time of day will display in the scoreboard’s main time spot

24 Hour Time

This function will change the time from the 12 hour structure to the 24 hour structure

1. Press  until the MPCW-7 displays 
2. Press  to enable or disable this functionality
 - a. The * on the screen means that this function is enabled

PROFILES



Press OPTIONS until the MPCW-7 displays

Profiles >>



Press YES to enter the Profiles menu

Load Profile

A Profile retains all settings within the control for future use. A large amount of our customers may only need the default profile for each sport in the MPCW-7 for the entirety of its use. The New Game key will access the last profile saved or loaded within each sport and there is no need to create multiple unique profiles. However, there are some instances where profiles are strongly encouraged for ease of use.

If:

- There are multiple settings that are to be set for different times the scoreboard is in use
- The MPCW-7 is being used on different scoreboard types
- Segment Timer projects are being used
- There are different wireless configurations for different games

Then: A unique profile may make the MPCW-7 control much more convenient to use.

The MPCW-7 can save up to 100 profiles.
Each sport’s profiles save the following:

Half/Period/Quarter	Main Time Options	Caption Settings
All Game Time Stats	Aux Time Options	Team Names
Main Time	Time Out Options	Horn Settings
Stop Time	Swap Home and Guest	Wireless Settings
Scoreboard Brightness	Segment Timer Options	Scoreboard Model



To keep track profile settings and numbers it is recommended to keep good notes on profiles.
A Profile worksheet is provided in the Appendix for these notes

There are three options in the Profiles menu “Load Profile”, “Default Lock” and “Save Profile”. The procedures for these options are covered in START UP and SET UP. To recap:

Load Profile

Load profile is the first option within the Profile Options

Load Profile

1. From the Load Profile Screen: Press  the MPCW-7 will display
 - a. The profile number here will be the last profile loaded or saved
2. If the displayed profile is the profile required then press 
3. If the profile displaying is not the required profile then enter the two digit number of the profile required.
 - a. If it is a single digit enter the number and press YES to load

Profile(##):## ◀

The MPCW-7 will then begin the process of loading a profile.





- The MPCW-7 beeper will sound
- The MPCW-7 will display the MPCW-7 revision screen
- The scoreboard will blank
- The MPCW-7 will display the sport
- The scoreboard will load

Save Profile

Save profile is the second option from within the Profile Options

Set all applicable settings before saving a profile.

It is useful to press the new game key to clear the board before making all of the options changes desired prior to saving a profile. If you don't blank the board, your profile will be saved with time and score that will be recalled every time the new game key is pressed. This can be useful if you want the time to be set to 8:00 in basketball for example, or if you prefer the fouls to be '0' by default instead of <blank>.

1. Upon entry into the Profile Options; Press  until the MPCW-7 displays 
2. Press  the MPCW-7 will display
 - a. The profile number here will be the last profile loaded or saved
3. If the displayed profile is the profile required then press 
4. If the profile displaying is not the required profile then enter the two digit number of the profile required.
 - a. If it is a single digit enter the number and press YES to load

Save Profile

Profile(##):## ◀

The MPCW-7 will then begin the process of loading a profile.

- The MPCW-7 beeper will sound while saving.

Mistakes in a saved profile

If a mistake was made in the saved profile's settings simply:




1. Load the profile in question
2. Change the setting
3. Save the profile again

Default Lock

Default Lock is the third option within the Profile Options. When enabled, the control will prevent the user from overwriting the default profile created at the factory. The following are the default profile numbers for each sport:

Sport	Default Profile ##
Soccer	88
Football	89
Track	90
Baseball / Softball	91
Lacrosse	92
Basketball	93
Volleyball	94
Wrestling	95
Hockey / Field Hockey	96

To preserve the factory defaults and retain the ability to return the control back to a known state avoid overwriting the factory default profile numbers.

1. Upon entry into the Profile Options; Press  until the MPCW-7 displays 
2. Press  to turn the Default Lock off
 - a. Default Lock automatically turns on each time the control is powered on
 - b. An asterisk indicates that default lock is turned on

Default Lock*

Backup / Restore

Used at the factory to output the contents of the profile / wireless data

TROUBLESHOOTING CHART

Problem	Cause	Solution
Cannot access the OPTIONS menu	Time is running	Turn time off before attempting to change settings
Horn does not sound when time has expired	Auto horn is turned off	Enable the auto horn in the Main Time OPTIONS menu
	Volume is set to zero	Change the volume to something other than zero in the Horn OPTIONS menu
	EOP horn is set to zero	Change the EOP horn in the Horn OPTIONS menu to the desired horn sound
Timer counts in wrong direction	Timer direction is set wrong	Change the direction of time in the Main Time OPTIONS menu
Cannot subtract from score	Score keys will add only	Use SET then HOME or GUESTS SCORE key and enter the correct score directly
Cannot clear Time Out Timer from scoreboard without sounding warning horn (teams are ready to play)	Clearing the Time Out Timer forces it to drop to the warning time which sounds the warning horn	Press TIME OUT TIMER twice. The warning horn will be skipped and the time out timer end horn will sound
Tenth second does not show on scoreboard	Main clock is counting up.	Tenth second will not show when main time is counting up
	Time is above one minute	None this is standard operation
Time of day will not display on scoreboard when I press Time of day	Time of day key is not enabled	Use SET TIME OF DAY to enable it
Aux time is displayed on the auxiliary time display, but it is not counting	Hours and minutes are being displayed. The display will change only once each minute	Minutes and seconds will be displayed during the last hour of remaining time
	Time switch is off	Aux time is set to run with the time switch. Either turn the time switch to on/press TIME ON or go to options and disable the option to run with the time switch
The horn randomly goes off during game time while main time is running	Aux timer is running	Start a new game. Go to Aux timer OPTIONS menu and set the aux timer to 00:00. Save the profile
	Segment Timer is running	Start a new game when possible. Go to Segment Timer options menu and disable segment timer. Save the profile.
The Horn randomly goes off while the control is on. Main time is not running.	Aux timer is set to run without the time switch	Start a new game. Go to Aux timer OPTIONS menu and set the aux timer to 00:00 and set the aux timer to run with the time switch. Save the profile
The Horn goes off when turning on the control after transferring it from another scoreboard.	The Model is not set correctly	Go to Options > Model and select the correct Scoreboard Model

If the problem persists please contact the Nevco Service Department.

800-851-4040

GLOSSARY

ALTERNATE TIME CONTROL SWITCHES (keys): Located on the keypad, these 2 keys, TIME ON and TIME OFF, may be used instead of the Hand Held Time Control Switch.

NOTE: These 2 keys are inactive while the Hand Held Time Control Switch is plugged in. To enable them, turn the control off, unplug the Hand Held Switch and restart the control. You may use “Start Where Left off Last” if you wish.

AUTO HORN: Sounds for a minimum of 4 seconds when the main time has expired, stop time is reached, segment timer ends a segment (if set), time out ends, aux time ends, or aux time reaches aux stop time. Main time Auto horn can be disabled through the main time options menu.

NOTE: Auto Horn tones and volumes can be changed via the Horn Options menu

AUX TIMER: An auxiliary timer, separate from the main timer, that can be configured to count up or down and to start and stop with the time control switch or run continuously. It can be viewed on the control by pressing TIME twice, going to Aux Time Options, or on an AUXILIARY TIME DISPLAY. Some uses for the aux timer include timing field or facility usage, or determining how far into a game a certain event happened.

AUXILIARY TIME DISPLAY: Consisting only of a timer, it can display the main time, the AUX TIME or the Time of Day Clock. Auxiliary Time Display models include: 9410, 9510, 9405 and 9505.

BATTERY: Battery powered memory saves the settings and data in the control in case of power failure. It also maintains the accuracy of the time of day when the control is unplugged.

BEEPER: Confirms each key press and alerts operator when time expires.

PROFILE: Saves the current control settings and data so it can be easily recalled later. Up to 100 profiles can be saved for each sport.

BRIGHTNESS LEVEL: The scoreboard can be set to bright or dim for best viewing. Indoor scoreboards default to bright; outdoor scoreboards default to dim.

TIME OF DAY: Time of Day Clock. Once the correct time has been set, the accuracy of the time of day is maintained even while the control power is unplugged. During normal operation, the time of day can be displayed on the control and scoreboard by pressing a single key.

NOTE: Pressing the TIME key or turning the time on will return the main time to the display(s).

DISPLAY: A 16 character display on the control prompts the operator for input and can monitor the scoreboard data.

HAND HELD TIME CONTROL SWITCH: A hand held switch with a coiled cord that plugs into either side of the control. When connected, the alternate time control switches (keys) are disabled. (Makes it easier for another person to control the main time or sound the horn).

INTERVAL HORN: A horn that sounds repeatedly at preset intervals throughout the game. An example of use is to signal when little league hockey teams should change lines. The Interval Horn has been replaced by a more versatile SEGMENT TIMER which can function just the same. (See Segment Timer)

OPTIONS: Consist of game settings and added features useable during a game or practice.

OVERLAY: A flat plastic panel that fits over and around the keys on the control. Tabs at the top and bottom hold it in place. Each overlay provides the proper labeling for each key, Nevco contact information, and the sport name. When you want to change to a different sport, install the correct overlay and enter the sport name on the new sport screen.

SEGMENT TIMER: Sometimes called Practice Timer, it allows a list of time segments to be programmed into the control. As an example the list can then be used for a practice routine or drill. When started, the first segment on the list is loaded into the main timer and starts counting down. When zero is reached, the timer moves to the next segment in the segment timer project. If Auto horn is enabled then the horn will sound for 4 seconds. If Auto advance is enabled the next segment will begin counting if not Time On will need to be pressed.

NOTE: The Segment Timer has replaced the Interval Horn and can mimic it exactly.

STOP TIME: Is a time set for main time or aux time to automatically cease counting. It functionally acts the same as time running out on the clock. The Auto horn will sound if it is set to within the main time options and the horn options.

TENTH SECOND SHIFT TIMER: Automatically shifts from displaying minutes and seconds to seconds and tenths of seconds during the last minute of count down time. (May be disabled if desired)

TIME OUT TIMER: Programmable for different time out lengths and with optional warning horn and an option to display the Time Out time remaining on the scoreboard. (Five different time out timers are available.)

Appendix

(Profile Chart)

Profile _____
Sport _____

Profile _____
Sport _____

Profile _____
Sport _____

Profile _____
Sport _____

Profile _____
Sport _____

Appendix
(Segment Timer)

Troubleshooting Chart

Problem	Cause	Solution
I have to set up the same segment timer project every time I change sports	Not saved in the profile being used. Or using the wrong profile	Go to Profiles in the OPTIONS menu and load the profile that has the segment timer desired saved in it
	Not saved in any profile	Set up the timer as needed, then from the OPTIONS Profiles menu, save a profile. When you start the control, go to the options menu and load the desired profile to use.
I cannot restart a segment	No you cannot restart a segment.	You can change the segment's currently displayed time. As soon as it expires, the next segment in the list is loaded. (The original time remains unchanged.)
The drills are fine, but we need time to get ready for the next drill.	Auto Advance is on	Go to Edit Segment in the Segment Timer Options and turn Auto Advance off for the desired segment.
	No extra segments have been set up for time between drills.	Set up an extra segment, for time to get ready, for each drill.
I cannot tell when all the segments have expired.	If one cannot display segment timer on the Scoreboard or the display is just a timer.	Set up an extra segment or two at the end of the segment list. Set these segments to a short amount of time. Each should have auto horn and auto advance Enabled. The horn sound will alert to the end of the segment timer project
	IF one can display segment timer project on the scoreboard	The segment number is displayed in the Guests place on a standard scoreboard
The horn keeps randomly sounding. (Hockey)	Interval horn is enabled	Go to Interval horn in the options menu, and turn off the Interval Enable option.

If the problem persists please contact the Nevco Service Department.
800-851-4040

Appendix

(Segment Timer)

Segment Timer Project

Profile _____

[illegible]