



Take control ...



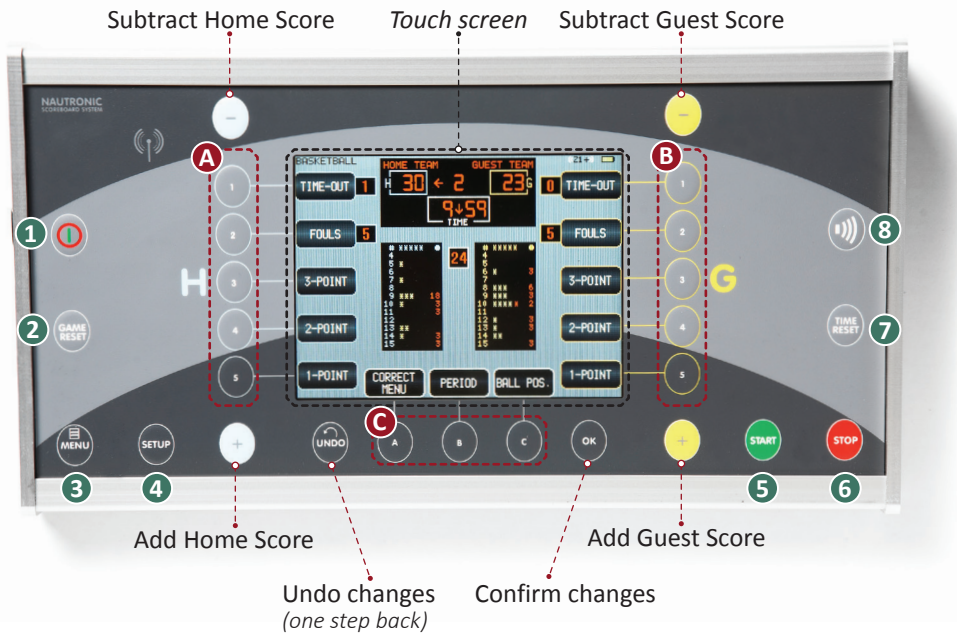
## Quick guide

Get a quick overview with this Naucon-1000 Quick guide



# NAUCON-1000

# Getting to know your Naucon-1000



- 1 On/off**  
Turn Naucon-1000 on and off. When turning off the control panel, you must confirm by pressing **ACCEPT**.
- 2 Game reset**  
Resets display – you must confirm by pressing **ACCEPT**.
- 3 Menu**  
A menu on the touch screen will show (Fig. 1, page 2).
- 4 Setup**  
A menu on the touch screen will show (Fig. 4a, page 5).
- 5 Start**  
Game clock starts.
- 6 Stop**  
Game clock stops.
- 7 Time reset**  
Reset game clock\*, you must confirm by pressing **ACCEPT**.  
*\*You can only reset time when the game clock is stopped.*
- 8 Manual horn**  
Press to blow the horn.
- A B C**  
You can also use the click buttons referring to the buttons on the touch screen.
- Wireless communication**
- H** Home
- G** Guests

# Start setting up your Naucon-1000

**SPORT SELECT:** Press the **MENU** click button on the console and you will see a screen of choices as shown below (Fig. 1). Press **EXIT SPORT** (marked with a B) to enter the screen SELECT SPORT (Fig. 2).

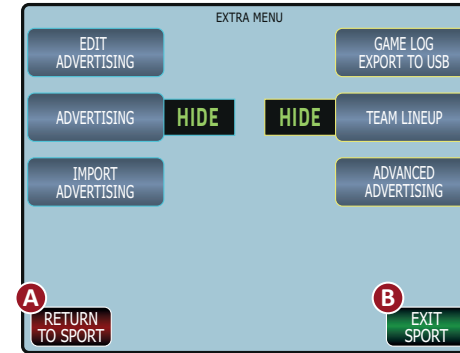


Fig. 1 – Extra menu, the bottom buttons

## Fig. 1 – Bottom buttons:

- A Return to sport**  
You return to the sport you have already chosen. Changes you have made will take place.
- B Exit sport**  
Press **EXIT SPORT** to enter the SELECT SPORT menu (Fig. 2).

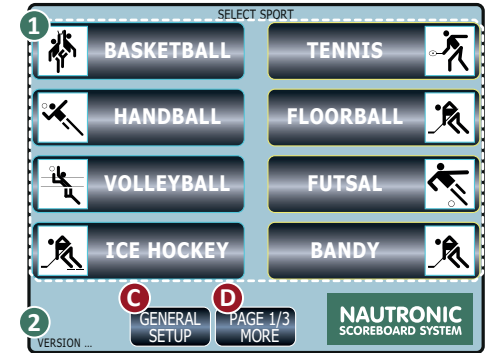


Fig. 2 – Select sport menu

## Fig. 2 – Select sport:

- C General setup**  
You can enter the General setup menu and make changes concerning Naucon-1000 and the standard scoreboard settings.  
*Learn more about the General setup menu on page 3.*
- D Page 1/3 more**  
Press **PAGE 1/3 MORE** to scroll the SELECT SPORT menu and choose between the various sports.
- 1 Select sport**  
The choices of sports are listed in a menu – to scroll the menu press **PAGE 1/3 MORE**.
- 2 Version ...**  
Shows the latest version of software installed on the Naucon-1000 unit.

# General setup

How to navigate in the GENERAL SETUP MENU.

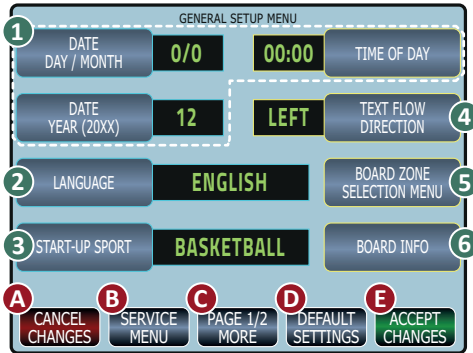


Fig. 3a – General setup menu, page 1/2

## Fig. 3a – General setup “PAGE 1/2”:

- 1 **Date, year and time of day**  
You can change the day, month, year and time of day. Once set, the Naucon-1000 unit will receive time, date and year information from the main scoreboard. Naucon-1000 does not have a built-in timer.
- 2 **Language**  
Scroll through the various languages.
- 3 **Start-up sport**  
Set the default START-UP SPORT.
- 4 **Text flow direction**  
Toggle and choose between the directions of the rolling text line, from LEFT or RIGHT.
- 5 **Board zone selection menu**  
You can turn the zones ON or OFF.\*1

\*1 If another Naucon-1000 is transmitting in the same zone, they might interfere.

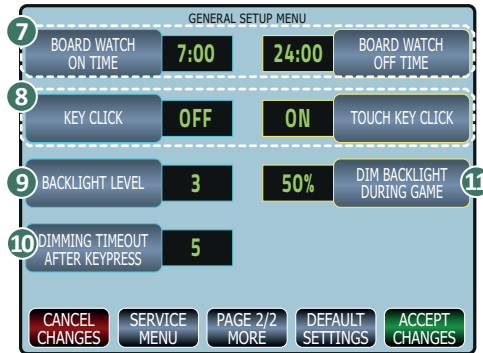


Fig. 3b – General setup menu, page 2/2

- 6 **Board info**  
Naucon-1000 starts searching for scoreboards in the activated zones.  
→ If a scoreboard is turned on and connected to Naucon-1000, the address\*2 from the scoreboard, sideboards or shot clocks is displayed on the touch screen.

\*2 An address is a referring number (10-69) in the BOARD ZONES SETUP menu. Learn more in the full Naucon-1000 User manual.

## Fig. 3b – General setup “PAGE 2/2”:

- 7 **Board watch – on and off time**  
Default the clock on the board will start up at 7 AM and turn off again at midnight. You can change both settings.

Set the clock to be on **or** off at all time:

00:00-24:00: The clock is always on.

00:00-00:00: The clock is always off.

- 8 **Key click**  
Turn ON or OFF a sound for the buttons on the touch screen or/and the physical click buttons on the console.
- 9 **Backlight level**  
Adjust the light intensity of the touch screen. 1 is lowest and 5 is highest intensity. Lower level extends battery life.
- 10 **Dimming timeout after keypress**  
Time before dimming the backlight on the touch screen (0-99 min.).
- 11 **Dim backlight during game**  
Adjust the light intensity of the touch screen during the game (0-99% of the backlight level).

## Fig. 3a and 3b – Bottom buttons:

- A **Cancel changes**  
Press **CANCEL CHANGES** if you want to cancel your changes. You will then return to the previous screen.
- B **Service menu**  
Enter **SERVICE MENU**.  
→ Please ask your dealer for a password to enter this menu.
- C **Page 1/2 more**  
Press **PAGE 1/2 MORE** to scroll the pages in the menu.
- D **Default settings**  
Press **DEFAULT SETTINGS** if you want to return to Naucon-1000's default settings.
- E **Accept changes**  
Press **ACCEPT CHANGES** if you want to save your changes. You return to the SELECT SPORT menu.

# Selected sport – setup

Choose a sport from the SELECT SPORT MENU (Fig. 2, page 2) and press the **SETUP** click button on the console. You will see a menu like shown below (Fig. 4a). Default settings will show with green text on the touch screen.

**THE EXAMPLE BELOW IS BASED ON BASKETBALL.**

**SO PLEASE NOTE THAT THE MENU CAN VARY FROM SPORT TO SPORT!**

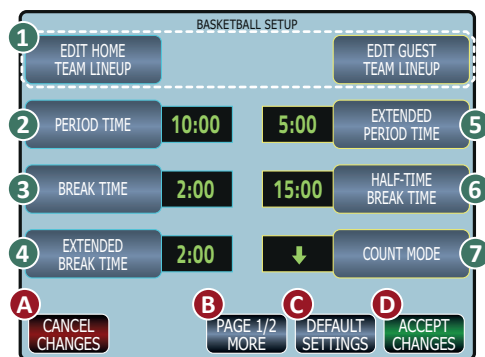


Fig. 4a – Setup basketball menu “Page 1/2”

## Fig. 4a – “PAGE 1/2”:

- 1 **Edit lineups**  
You can edit HOME and GUEST team. You will enter a screen where you can change the name and number of the players (Fig. 5, page 7).
- 2 **Period time**  
Set the length of a period.
- 3 **Break time**  
Set the length of the breaks between periods.
- 4 **Extended break time**  
Set the length of the breaks between periods in an extended match.
- 5 **Extended period time**  
Set the length of an extended period.
- 6 **Half-time break time**  
Set the length of the half time break.



Fig. 4b – Setup basketball menu “Page 2/2”

- 7 **Count mode**  
You toggle between whether the game clock is counting up or down by pressing **COUNT MODE**.
- 8 **Pre time**  
Set the length of the time counting down before the match.
- 9 **Shot clock short time**  
Set the counting length of the shot clock’s “Time 2”.
- 10 **Show sideboards**  
Turn the sideboards ON or OFF.
- 11 **Shot clock time**  
Set the time / seconds of count down for the shot clocks.
- 12 **Automatic horn**  
You can toggle between turning the automatic horn ON or OFF.

## Fig. 4b – “PAGE 2/2”:

- 13 **Player number selection**  
Choose whether scores and penalties are given to a specific player or to the whole team.

LIST: Choose player number from a list.

TYPE: Type player number.

OFF: Scores and penalties are given to the whole team.

## Fig. 4a and 4b – Bottom buttons:

- A **Cancel changes**  
Press **CANCEL CHANGES** if you want to cancel the changes you just made. You will return to the screen from where you can operate the game.

- B **Page 1/2 more**  
If there is more than one page you can press **PAGE 1/2 MORE** to scroll the setup menu.

- C **Default settings**  
Press **DEFAULT SETTINGS** if you want to return to the Naucon-1000 default settings for the chosen sport.

- D **Accept changes**  
Press **ACCEPT CHANGES** if you want to save your changes. You will then return to the screen from where you operate the game.

# Edit team lineups

When you have selected a sport (Fig. 2, page 2) you can press the **SETUP** click button on the console. Change the lineups by pressing **EDIT HOME** or **GUEST TEAM LINEUP**, you will enter a screen like shown below (Fig. 5).

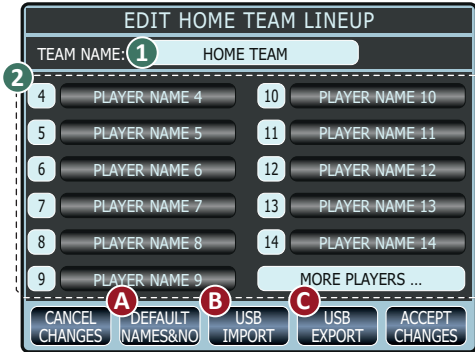


Fig. 5 – Edit home/guest team lineup



Fig. 6 – The text will show in red while editing

## Fig. 5 – The editable boxes:

- 1 **Edit Home/Guest Team lineup**  
Click on the “TEAM NAME”-box on the touch screen. You will enter a screen with a keyboard (Fig. 6) which allows you to change the text line.
- 2 **Player name & number**  
Click on a **PLAYER NAME** on the touch screen. You will enter a screen with a keyboard (Fig. 6) which allows you to change the name.

When pressing a player number you will get a numeric keyboard for changing the numbers (00-99 or blank).

The **MORE PLAYERS ...**-button toggles pages if more players than shown are available for a specific sport.

## Fig. 6 – The interactive graphics:

- 3 **Editable text field**  
When entering the keyboard you can start to type or you can clear text. Remember to save your changes by pressing **ACCEPT**.
- 4 **Keyboard**  
Use the keyboard\* to type names of the players.  
  
\*Default keyboard is set to Western.  
Press the button marked with a D to change keyboard.

## Fig. 5 & 6 – Bottom buttons

- A **Default names & no**  
When you press **DEFAULT NAMES & NO**, you reset the lineup and team name to the default text. You will have to confirm resetting before it takes place.

- B **USB import**  
You can import a list with player and team names from an USB stick. Insert the USB stick with a CSV file (Comma Separated Values file) and press **USB IMPORT**. Your lineups will be imported from the file.  
*Learn more in the full Naucon-1000 User manual or contact your dealer for more information.*
- C **USB export**  
Exporting player and team names to an USB stick. Insert the USB stick and press **USB EXPORT**. Your lineups will be exported from Naucon-1000 to a CSV file called: “TeamData.csv” unto the USB stick.
- D **Keyboard >Western<**  
Naucon-1000 has four different keyboards available. Default is set to WESTERN. Press the button to change keyboard. Choose between **WESTERN**, **RUSSIAN**, **HEBREW** and **ARABIC**.
- E **Clear text**  
Clear the text in the editable text field.

# Updating the Naucon-1000 software

**WARNING: WHEN A SOFTWARE UPDATE IS PERFORMED, ALL SAVED CONFIGURATIONS WILL BE LOST AND SET TO DEFAULT!**

To update to the latest version of software to Naucon-1000, follow the steps below:

- 1 – Turn Naucon-1000 off.
  - 2 – Mount the power-supply.
  - 3 – Press and hold the **SETUP** button.
- While still holding the **SETUP** button:*
- 4 – Turn Naucon-1000 on.
  - 5 – Release the **SETUP** button.

- 6 – The touch screen will display the following text: “BOOTLOADER STARTED, INSERT USB DRIVE.”
- 7 – Insert an USB stick with software supported by Nautronic a/s.

8 – The touch screen will display the following text: “DISK FOUND.”

*After 10-15 seconds:*

9 – The touch screen will display the following text: “PLEASE REMOVE DRIVE.”

- 10 – Remove the USB stick.
  - 11 – The Naucon-1000 unit turns off.
- Software update is done.

**When Naucon-1000 is turned on for the first time after a Software update, it will take approximately 1 minute longer than a normal start up.**



Fig. 7 – Naucon-1000, where does the plugs go

# Trouble shooting

**HARDWARE PROBLEMS:** Locate the problem with a little help from the diodes and the illustration below, Fig. 8.

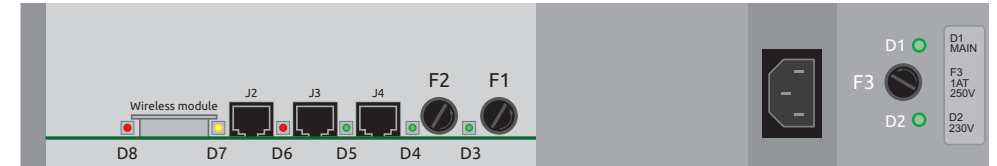


Fig. 8 – The bottom of a scoreboard

**THE LEDS INDICATE THE FOLLOWING, WHEN A SCOREBOARD IS WORKING PROPERLY:**

- D1, D2, D3, D4 and D5 constantly light green.
- D6 flashes red rapidly.
- D7 flashes yellow once per second.
- D8 flashes red rapidly – **but only if a radio module is present.**

**D1 – MAIN**  
If D1 light is off:  
Check fuse F3. Press and turn F3 at the same time to check if the fuse is blown and must be replaced.

**D2 – 230VAC LED**  
If D2 light is off:  
Check main power connection.

**D3 – 12 VDC HORN**  
If D3 light is off:  
Check fuse F1. Press and turn F1 at the same time to check if the fuse is blown and must be replaced.

**D4 – 24VDC DIGIT**  
If D4 light is off:  
Check fuse F2. Press and turn F2 at the same time to check if the fuse is blown and must be replaced.

**D5 – 24VDC FOR NAUCON-1000**  
If D5 light is off:  
Remove all plugs connected to J2, J3 and J4. If D5 light turns on, there might be a chopped circuit in the cables or in Naucon-1000.

**D6 – DATA COMMUNICATION**  
If D6 light is off:  
There is no data reception.  
→ Check the cable connected to the control panel.  
→ Check the wall connector.

**D7 – INTERNAL OPERATION**  
If D7 light is either off or constantly on:  
Internal units in the scoreboard might be damaged.

**D8 – WIRELESS COMMUNICATION**  
If D8 light is off:  
There is no radio signal reception.  
→ Wireless module must be installed for D8 to function.  
→ Check that the Naucon-1000 is turned on.

**FUSES:**

- F1** → 5AF
- F2** → 5AF
- F3** → 1AT

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