

Scorebird NeST v3.0 User Manual



FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 40cm between the radiator & your body.

Note: 5150~5250MHz is Indoor use only

IC Warning

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

IC Radiation Exposure Statement

This device complies with IC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This device must be installed and operated with a minimum distance of 40 cm between the radiator and user body.

Note: 5150~5250MHz is Indoor use only

Note: 5150 à 5250MHz est utilisé uniquement

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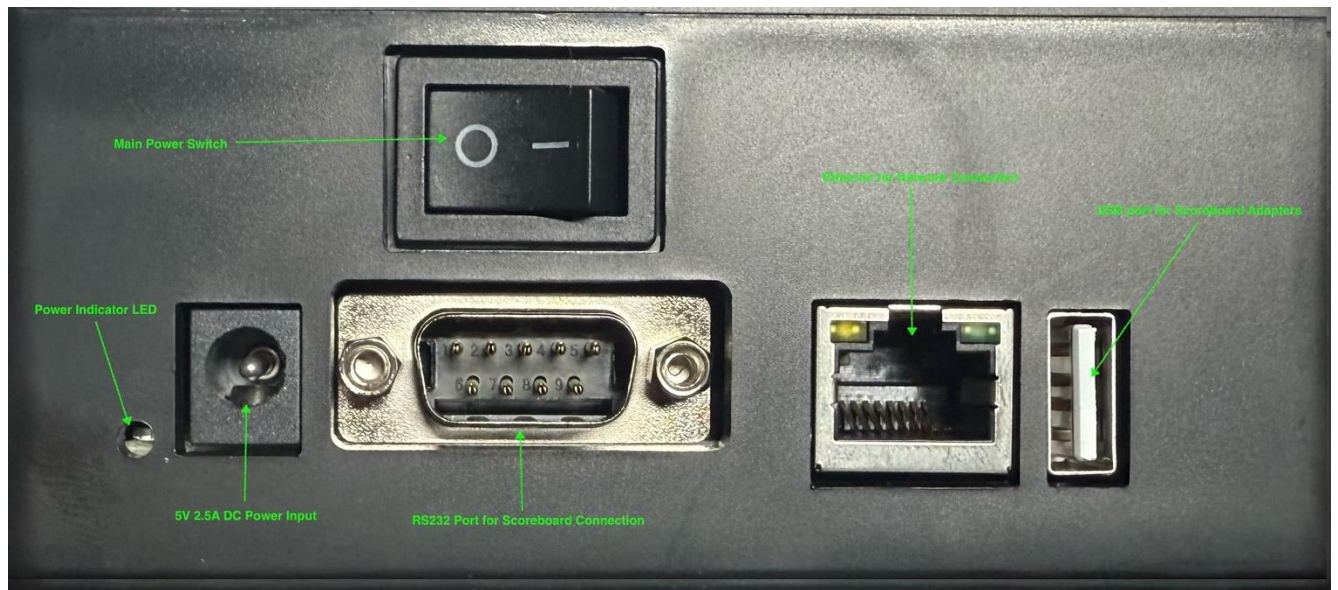
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INTRODUCTION

The Network Scoring Transmitter (NeST) interfaces to leading brands of scoreboard either via its RS232 port or USB using one of several available adapter cables. The NeST then reads the score information from the scoreboard and transmits it via network connection to various desired locations such as video overlays, websites and more.

DEVICE OVERVIEW

The below diagram highlights the main features of the NeST hardware.



- Main Power Switch
 - Used to turn the device on/off. Always give the device time to shutdown properly before removing the power cord
- Power Indicator LED
 - Will glow red if the device is switched on and has power
- Power Jack
 - Only use the provided 5VDC power supply
- RS232 Port
 - Used to connect to various models of scoreboard controllers
- Ethernet Port
 - Preferred option for internet connectivity
- USB Port
 - Used to connect to various models of scoreboards using provided adapters and cables

OLED DISPLAY

The NeST has a built-in Organic LED display. The below diagram shows some of the main features of this display.



- Status Message
 - Usually this will show the device's NeST ID when online
- Scoreboard Data
 - If receiving data from the scoreboard, the Home and Away Scores and main clock will be displayed when available
- Network connection Type
 - Will show the connection type currently in use
 - E for ethernet
 - W for WiFi
 - C for cellular

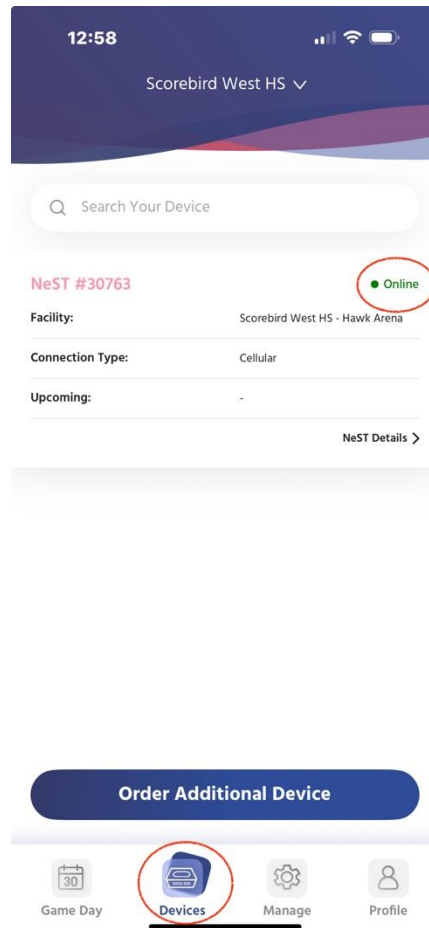
FIRST TIME SETUP

Your NeST requires internet connectivity to function. First time setup can be done via Ethernet or using the device's built-in cellular modem. Follow the below steps to get your device setup for the first time.

1. Download "Scorebird Admin" App from app store on your mobile device
2. Ensure power switch is in the OFF position
3. Plug provided power supply into the power jack
4. Connect Ethernet cable if available
5. Connect Scoreboard cables if setting up scoreboard connection at this time

6. Turn power switch to ON
7. Power LED should immediately illuminate. After some time, display will show ONLINE via either Ethernet or Cellular.

Device should now show as online in the Scorebird Admin app



8. If a Wi-Fi connection is desired. Navigate to NeST Details -> Wi-Fi Settings and enter the connection information.

Scoreboard connection setup

1. Connect scoreboard to USB or RS232 port using the supplied cables
2. Power ON device
3. Power ON scoreboard
4. In the Admin App, navigate to the Devices tab
5. Click on NeST Details -> Test/Change Scoreboard
6. Enter scoreboard information and click Submit

7. After a few seconds, you should start to see live data from the scoreboard appear in the app. It is suggested that you have a running clock on the scoreboard to easily observe this. You should also see the clock and main score on the NeST OLED display.