



ScoreLink+ user guide

Safety Information

- Read the safety information before using the ScoreLink+. In case of questions, contact Sportzcast Support.
 - Do not expose it to water or moisture. In the case of contact with water, disconnect the power supply immediately.
 - Do not insert any foreign object into the connectors.
 - Do not dismantle, open, or make modifications to the product or accessories.
 - Operate the ScoreLink+ within the defined operating temperature range and avoid direct sunlight or dust.
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Requirements / Specifications

- Power Input: DC 12V.
 - Included Power Supply: 100V-240V ~ 1.4A 50Hz-60Hz.
 - Network: Wi-Fi 802.11ac (5GHz), 5Mbps / LAN (POI)
 - Ambient Operating temperature: 0 to 35 °C (32 to 95 °F), at 10-90% Relative Humidity.
 - Ambient Storage temperature: -20 to 45 °C (-4 to 113 °F), at 10-90% Relative Humidity.
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Product Overview

ScoreLink+ interfaces directly to your scoreboard controller, decodes the data and allows the data to be accessed locally over a TCP Connection or via Genius Cloud Servers. The scoreboard connection can be wired or wireless depending on the option ordered. Other equipment on the venue LAN such as streaming systems, graphics generators and displays can it also use the data.

Installation Process

1. The first step is to connect the ScoreLink+ to the venue network. This can be done with an Ethernet Cable or a Wi-Fi connection.

Wi-Fi Connection:

- 1) Power on the unit by connecting the included A/C Adapter to a power source and to the Power Supply port on the ScoreLink+. The Led indicator will light and after a few seconds should start blinking indicating the Boot process has begun. After about 30 seconds the OLED display will display the product version number and the eth0 and wlan0 status.
- 2) Navigate to page 4 of the OLED display menu by momentarily press the control button in the front panel.

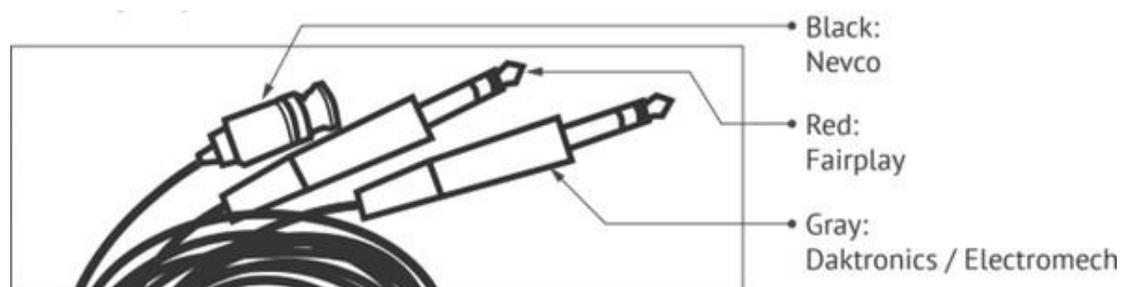


- 3) Turn on the wi-Fi network Access Point by pressing and holding the control button for 3 seconds. After about 45 seconds the OLED display will display the info of the network (network, name, password, and IP address where the configuration web page can be found).
 - a. If an ethernet cable is connected or a Wireless Network is defined an Access Point will not be started.
- 4) From a computer or smartphone connect to the network with a name Like "ScoreLink+ PASSWORD" where password will be the password of the network created by the ScoreLink+.
 - a. The password for the Access Point is the HEX number displayed
- 5) Once the computer is connected to the ScoreLink+ network open a web browser (Chrome, IE explorer, etc.) enter the address listed in the OLED display (i.e., http://192.168.4.1) ". And press Enter.
 - a. Enter the username and password. The initial default user is "**scorelink**" and the password is "**scorelink**". This can be changed later.
- 6) In the configuration web page go to the Wi-Fi tab
- 7) Select the desired network from the list, enter the password and click on "Connect". If the connection is successful, you will be disconnected from the access point.
- 8) To confirm the device is connected to your network, look to page 1 in OLED Display, the field **wlan0** should show a valid IP address (i.e., 192.168.1.9). if instead an N/C message appears, repeat the process of enabling the device's Wi-Fi network. For more information contact support.

Ethernet connection

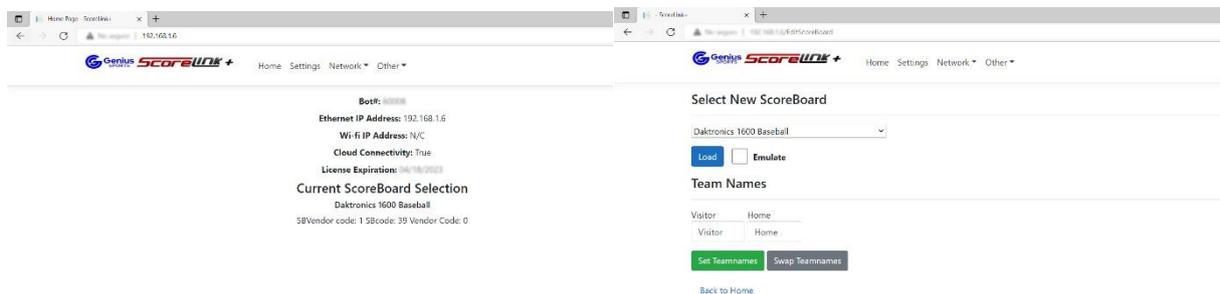
- 1) Connect the ScoreLink+ directly to the venue network via the NETWORK port.
- 2) If the venue port has POE (Power Over Ethernet) available, and the ScoreLink+ has the POE option the power supply will not be necessary. If the venue's network does not have POE, use the A/C Adapter to power the device.
- 3) See the OLED Display at page 1, look for the field **eth0** and confirm it shows a valid Ip address (i.e., 192.168.1.8).

2. Connect the ScoreLink+ to the scoreboard controller using the included Multi-Interface Cable. Depending on the hardware available you need to connect the following plug to the controller:



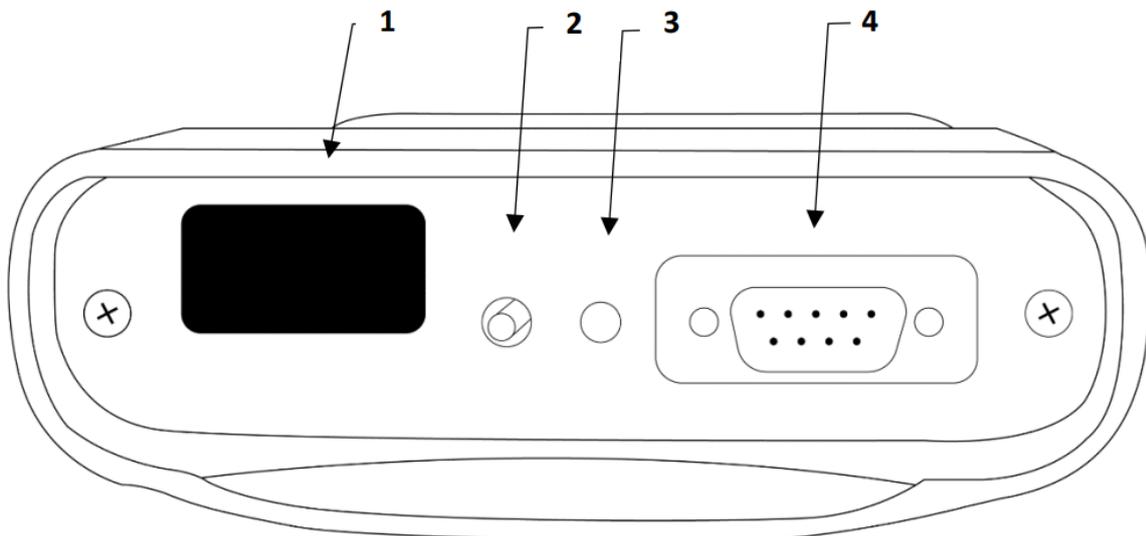
For other controllers you'll need a custom cable. In this case, contact Support.

3. Open a web browser and enter the Ip address listed in page 1 of the OLED display for the ethernet or wi-fi connections (i.e., 192.168.1.6).
4. Enter the username and password. The default user is **“scorelink”** and the password is “scorelink.”
5. On the web page go to settings tab and select the scoreboard controller desired from the list. Press the **“Load”** button and wait for the config to finish. The web page will go to the home page and will display the configuration selected.



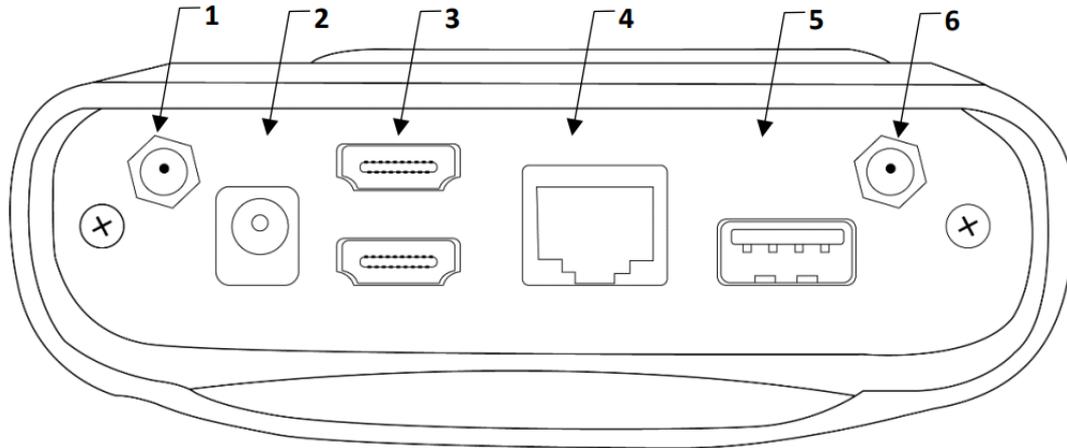
Components

Front view:



1. **OLED Display:** contains a menu based on pages that displays connection status, decoded data, emulation data, wi-fi and wired network status.
2. **Control button:** to Navigate in the **OLED Display** menu pages and reset.
3. **Indicator LED:** RGB led for power and CPU status.
4. **Interface Port:** 9-pin connector (DB9) to connect the ScoreLink+ to the scoreboard controller.

Back view



1. **RF Module Antenna Connector:** use with an antenna and wireless scoreboard controllers.
2. **DC 12V Port:** Power supply port to connect the included A/C adapter.
3. **HDMI ports:** Dual HDMI output for displaying overlays.
 - a. This is an option and may not be enabled in your unit.
4. **Network Port:** Connects the ScoreLink+ directly to the venue network. It can power the unit when using a POE source.
 - a. POE is an option and may not be included in your unit.
5. **USB A Port:** to use with external peripherals for the ScoreLink+.
6. **Wi-Fi Antenna Connector:** to connect the included Wi-Fi Antenna.

OLED Display

The OLED Display shows ScoreLink+ status information, it has 4 menu pages that can be changed by momentarily pushing the control button.

Some info is displayed on all pages, this info is shown on the lower part of the display and includes the Page number, Bot number and a 4-character indicator that provides status about the state of the data and decoding.

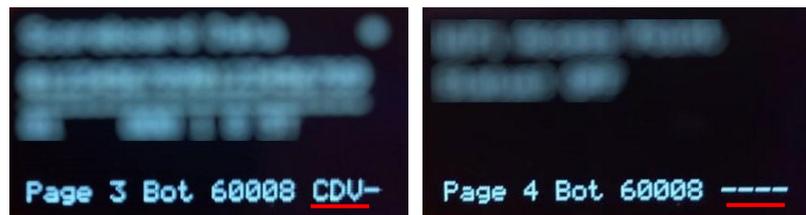
C – Cloud (Cloud server is available).

D – Data (data from scoreboard is present).

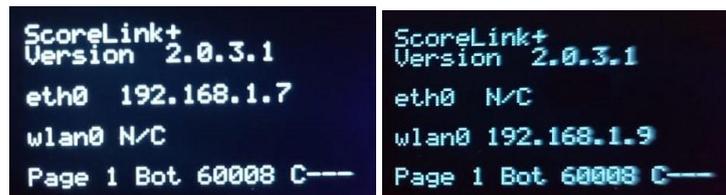
V – Valid (scoreboard data is valid for the protocol selected).

M – Modem (RF Modem has a signal from the wireless scoreboard).

When the indicator is not present, a - (dash) is displayed:



Page 1. Device Status Info



This page displays:

- Current Software Version
- **eth0**: The Ip address of the ethernet interface, or N/C in the case of no connection
- **wlan0**: The IP address of the Wi-Fi Interface, or N/C in the case of no connection

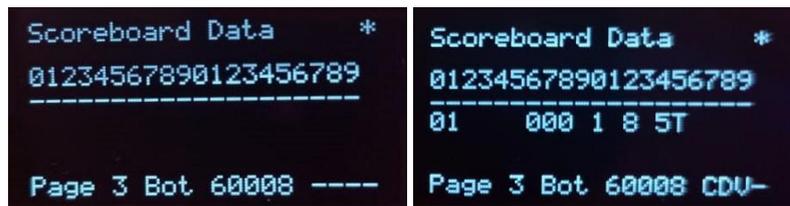
Page 2. Score Board Configuration



This page displays:

- **Vendor**: a number that represents the brand of the current score board selected for in use.
- **Code**: a number that represents the sport and communication protocol of the scoreboard controller in use.

Page 3. Scoreboard Data



This page displays:

- Data decoded from the score board controller. Above the dash-line is the position of the data, below is the actual data decoded. This is the first 20 characters of the SBDATA packet, one of three output packets available from the ScoreLink+ locally.

Page 4. Wi-Fi Access Point



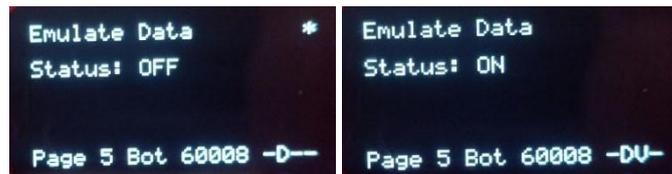
This page displays:

- The ScoreLink+ Wi-Fi Access Point status: ON or OFF. If the Access Point is ON, it displays the:
 - Http Address of the config web page.
 - The Access Point password.

Note 1: To turn on the Wi-Fi push the control button for three secs until the display shows the message: **Starting AP**. The Wi-Fi network cannot be started if there is an active connection through ethernet or Wi-Fi.

Note 2: The wi-Fi network will automatically turn on after a period of approximately 1 minute without any ethernet or Wi-Fi connection.

Page 5. Emulate Data



This page displays:

- **Status:** The ScoreLink+ data emulation status: On or OFF

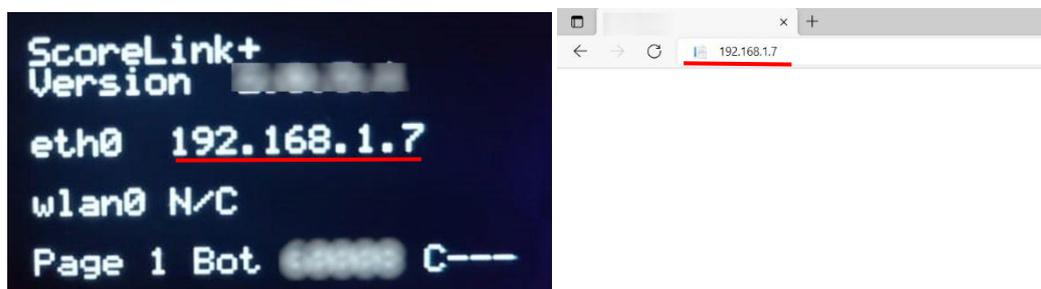
Note: To turn on the data emulation push the control button for approximately 3 seconds. The display will show the message: **Starting Emulate**. The data emulated can be seen in page 3 after emulation is on.

To turn off the emulation navigate again to page 5 and push the control button for approximately 3 seconds. The display will show the message: **Stopping Emulate**.

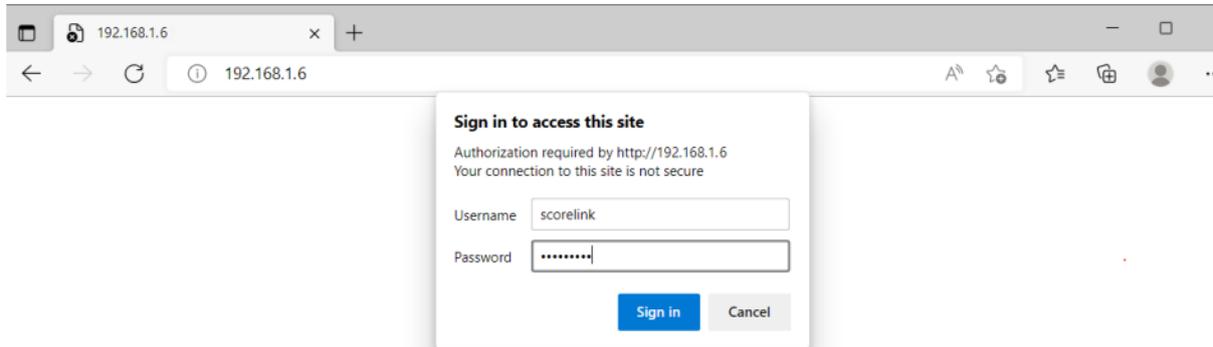
Web Interface

The ScoreLink+ has a web interface that can be used to view the current configuration of the unit, configure the scoreboard controller, add, or modify a Wi-Fi network to connection, configure a static Ip address or the logs from the bot or the complete system.

The Web interface can be accessed by opening a web browser on a device connected to the same network and entering the ip address displayed in the unit OLED Display.



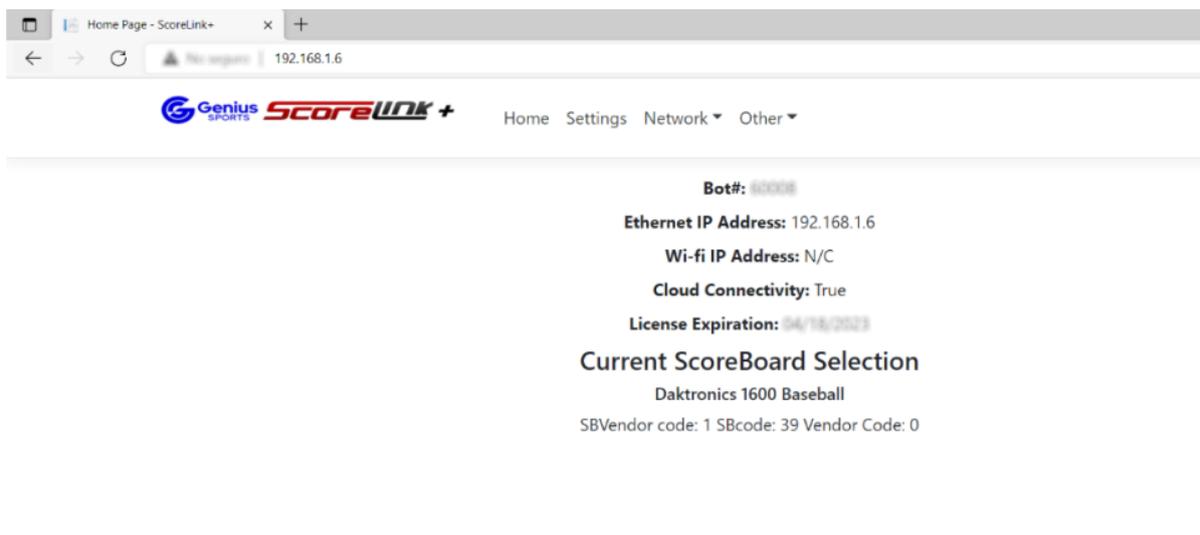
The web interface has a user and password that must be entered any time the ScoreLink+ changes its IP Address. The Default user is **"scorelink"** and password is **"scorelink"**.



Home page

Home page summarizes the current state of the ScoreLink+ by reporting its:

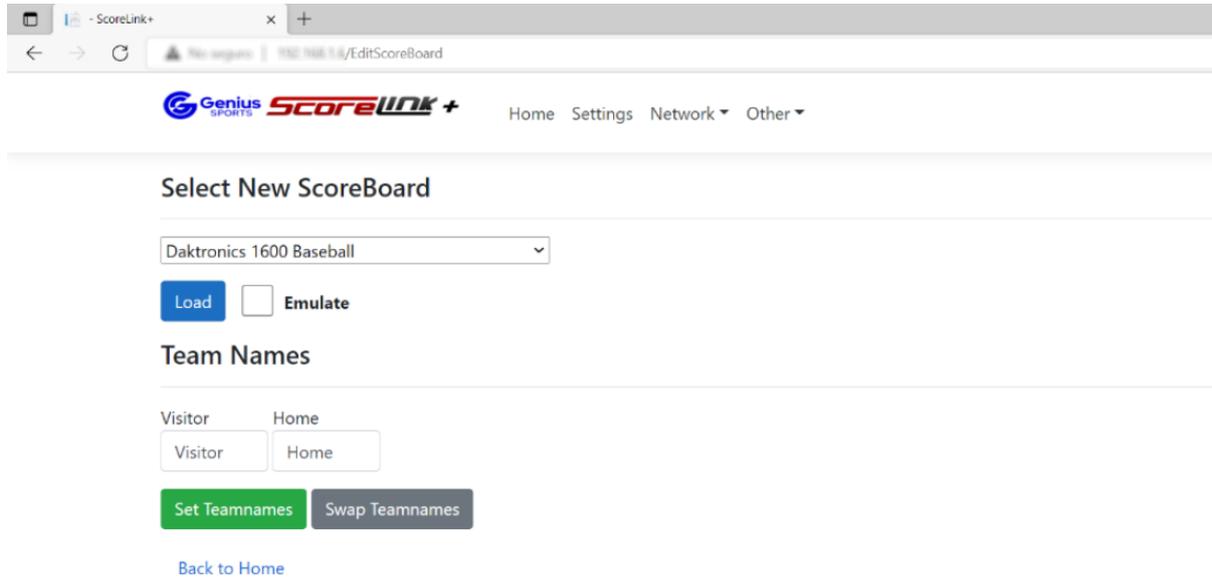
- Bot number
- Ethernet IP Address
- Wi-Fi IP Address
- Cloud Connectivity Status
- License expiration
- Current Scoreboard Selected
 - Scoreboard Manufacture;
 - SBVendor Code (Used internally and by Tech Support);
 - SBCode;
 - Vendor Code.



Settings page

From this page you can select the desired scoreboard from the dropdown menu.

Pressing the **“Load”** button will configure the device with the scoreboard configuration and move you to the home page displaying the new scoreboard controller information.

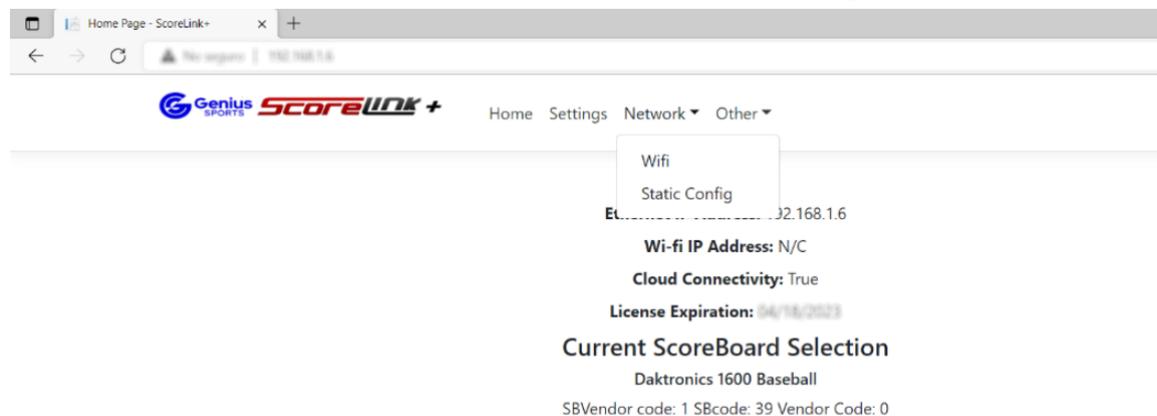


The user can also set teams names by typing the new names in the text boxes and pressing the **“Set Teamnames”**.

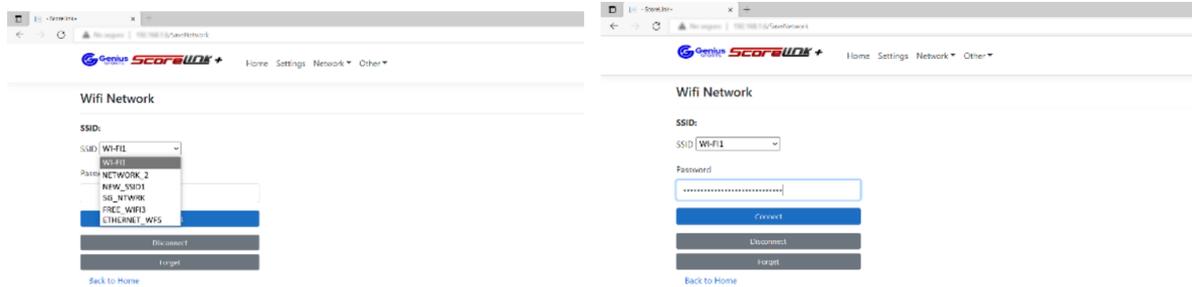
The **“Swap Teamnames”** button can be used to swap the names.

Network Tab

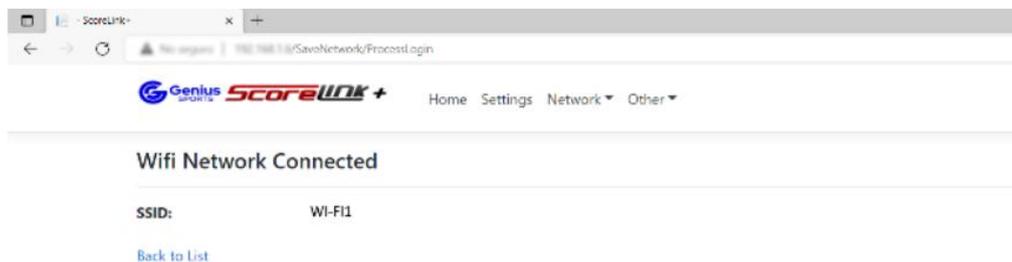
In the network tab the user can set a Wi-Fi or set a static IP configuration.



On the Wi-Fi page a list of available Wi-Fi networks will be displayed. To Add a new Wi-Fi network, using the dropdown menu, select the desired network from the list, enter the password for the network and then press **"Connect"** to save the network and start the connection.



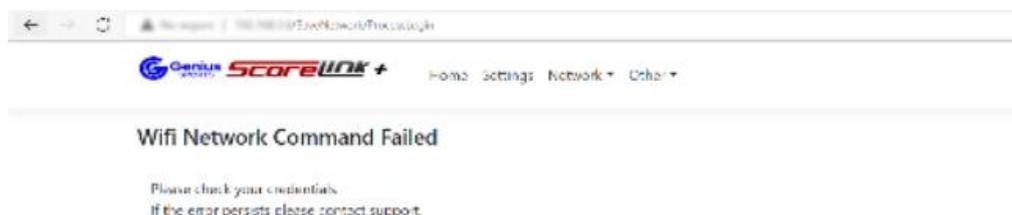
Once connected, the page will show a confirmation message:



The user can go to home page and see the Wi-Fi IP Address field and check there is a valid IP address listed, this IP address can also be seen in the device OLED Display page 1 at the wlan0 field.



If an incorrect password is entered, the page will show an error message, just like the image below, the user can use the dropdown menu and try again the password or another network.

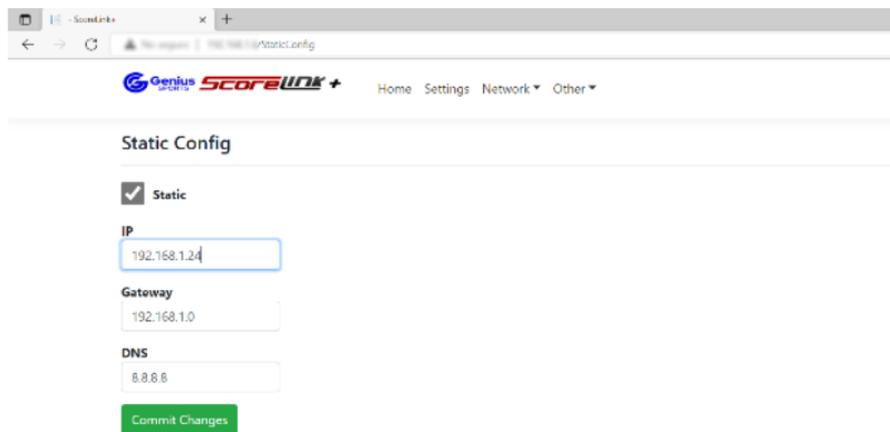


The **"Forget"** button can be used to forget any network previously saved and selected from the dropdown menu.

The **"Disconnect"** button can be used to disconnect from the network previously saved. The network will be remembered.

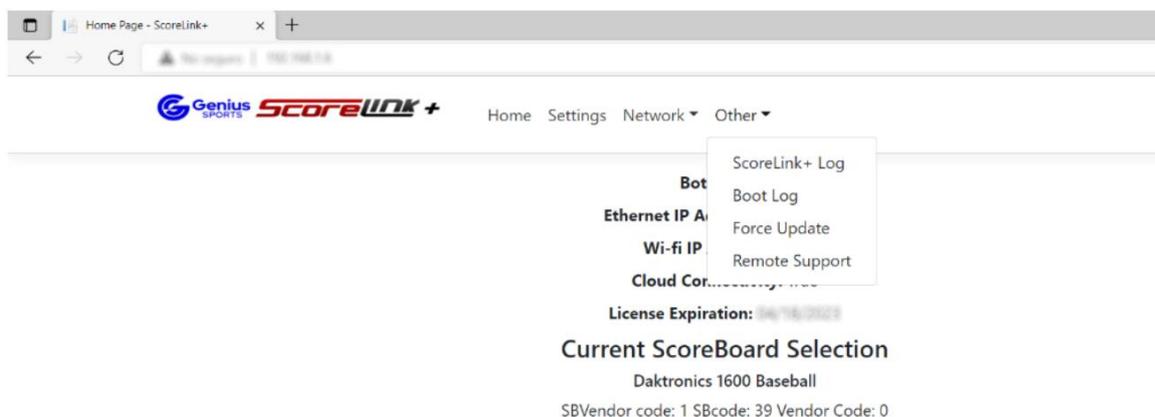
Static Config

On the Static config you can set the unit to have a specific IP address and use a specific Gateway and DNS. For Static config, select the check button **"static"** and fill the information for the fields then press **"Commit Changes"** and wait for it to finish and reboot.



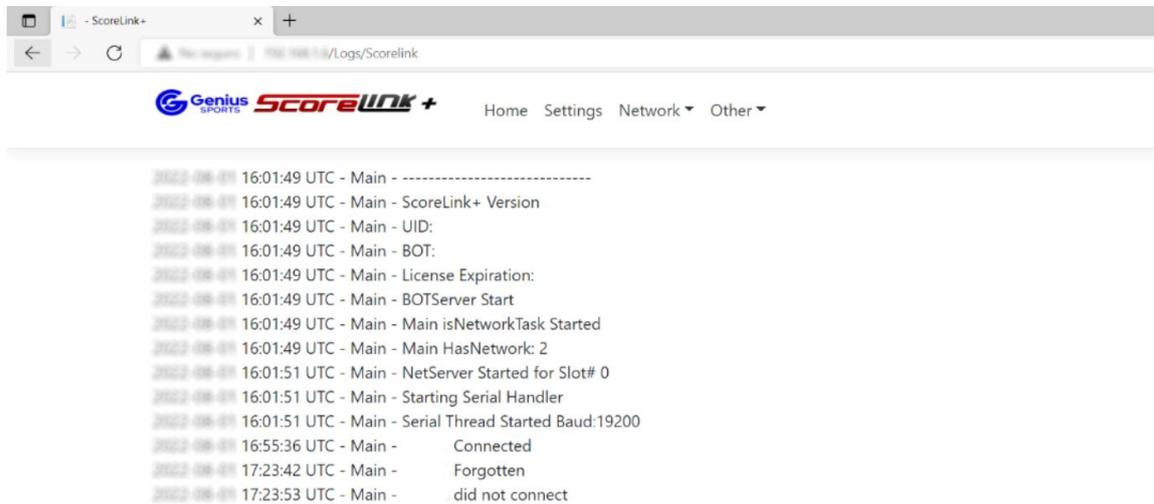
Other Tab

This Tab is used to view support logs and can be used by a support person to determine if something went wrong in the device, this tab has ScoreLink+ Logs, Boot Logs, Force Update and Remote Support options.



ScoreLink+ Log

This page displays the log of the ScoreLink+ Application.



```
2022-08-01 16:01:49 UTC - Main - -----
2022-08-01 16:01:49 UTC - Main - ScoreLink+ Version
2022-08-01 16:01:49 UTC - Main - UID:
2022-08-01 16:01:49 UTC - Main - BOT:
2022-08-01 16:01:49 UTC - Main - License Expiration:
2022-08-01 16:01:49 UTC - Main - BOTServer Start
2022-08-01 16:01:49 UTC - Main - Main isNetworkTask Started
2022-08-01 16:01:49 UTC - Main - Main HasNetwork: 2
2022-08-01 16:01:51 UTC - Main - NetServer Started for Slot# 0
2022-08-01 16:01:51 UTC - Main - Starting Serial Handler
2022-08-01 16:01:51 UTC - Main - Serial Thread Started Baud:19200
2022-08-01 16:55:36 UTC - Main - Connected
2022-08-01 17:23:42 UTC - Main - Forgotten
2022-08-01 17:23:53 UTC - Main - did not connect
```

Boot Logs

This page will show the boot logs of the device.

Force Update

Will force the device to update the software version if there is an updated version available.

Remote Support

This page can enable remote support for the device.

For assistance, please contact Sportzcast Support:

sportzcastcs@geniussports.com

321-888-3800

