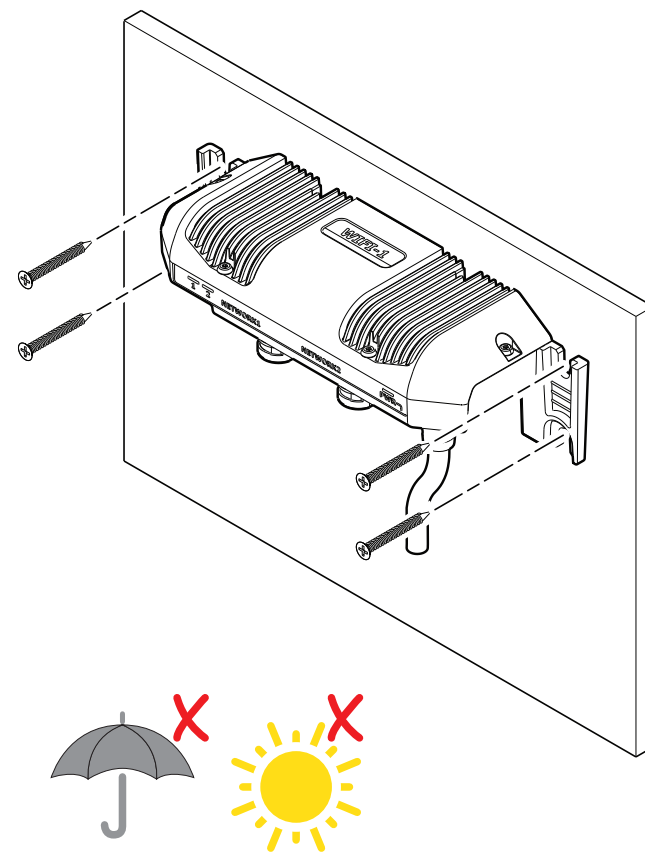
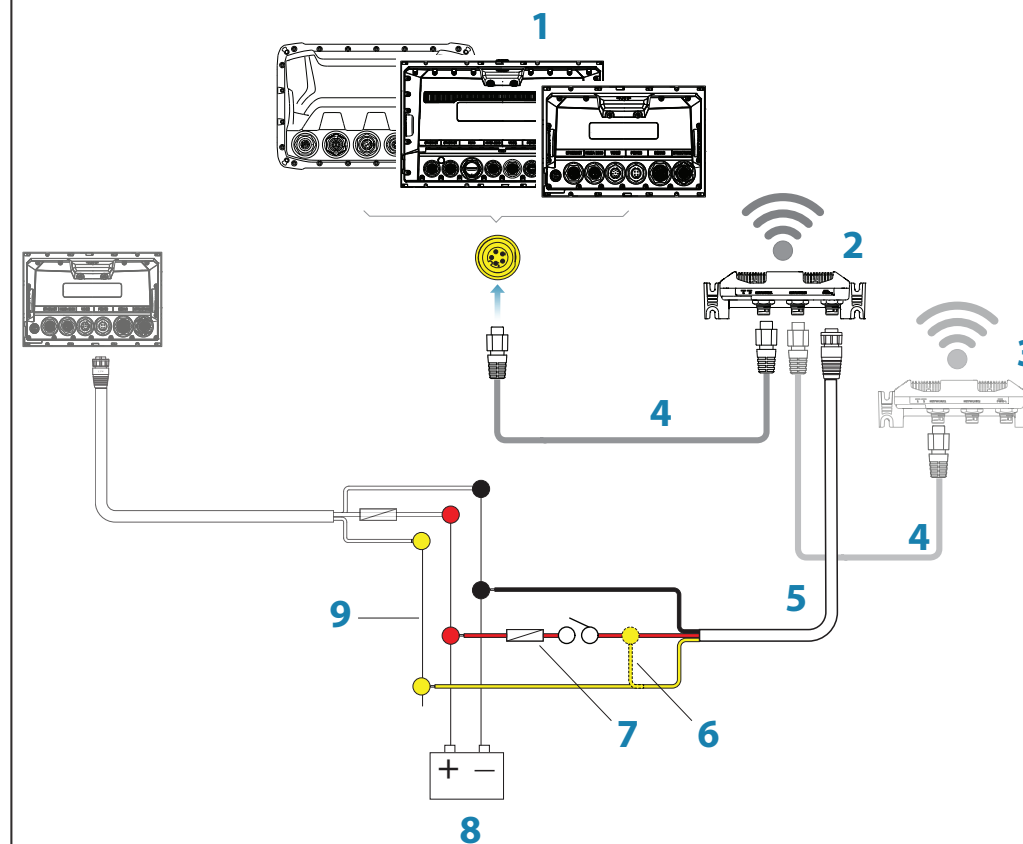


## Installing



## Wiring



| Key | Description                                                                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Multifunction display, SonarHub™, StructureScan™ or other WIFI-1                                                                                                           |
| 2   | WIFI-1                                                                                                                                                                     |
| 3   | Optional second WIFI-1 to use in Access Point mode when the primary WIFI-1 is in Client mode. Maintains the ability of mobile devices to connect to the navigation network |
| 4   | Ethernet cable                                                                                                                                                             |
| 5   | Power cable                                                                                                                                                                |
| 6   | Remote power on: WIFI-1 will turn on when power is applied                                                                                                                 |
| 7   | Fuse or breaker                                                                                                                                                            |
| 8   | 12 V DC                                                                                                                                                                    |
| 9   | Remote power on: WIFI-1 will turn on when the MFD is turned on (MFD needs to be set to power on master)                                                                    |



\* 9 8 8 - 1 0 4 0 1 - 0 0 3 \*

## Compliance statements

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). 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.  
FCC Identifier: RAYGOFREEWIFI

## Specifications

| WIFI-1 features            |                                                            |
|----------------------------|------------------------------------------------------------|
| Marinised construction     | IPX5                                                       |
| Wireless standards         | 802.11 b/g                                                 |
| Ethernet network ports     | 2                                                          |
| Automatic configuration    | Plug-n-play                                                |
| Power supply               | 12 V DC, 200 mA                                            |
| Supported hotspot security | WPA-PSK, WPA2, WPE 64/128 bit encryption , TKIP encryption |

## References

For a list of supported features or to download the latest software for your MFD please visit:



www.lowrance.com/gofree

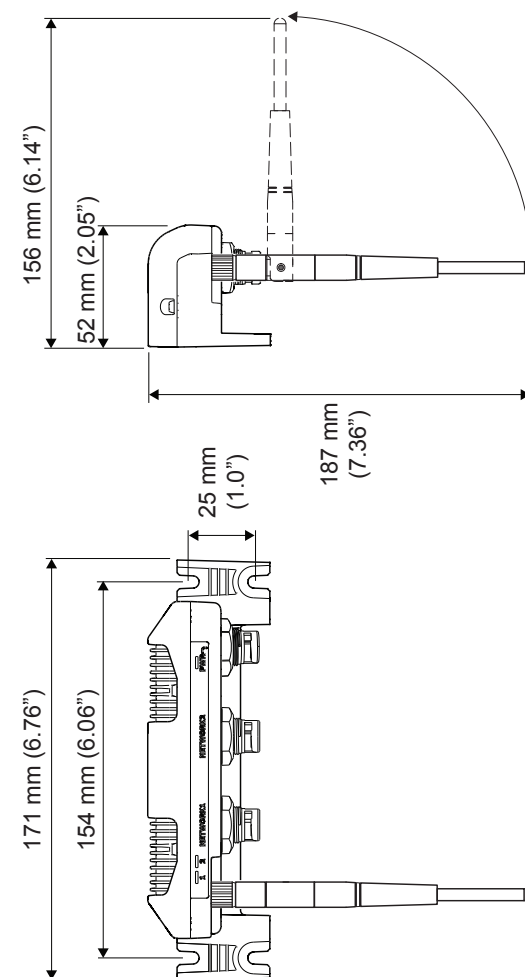


www.simrad-yachting.com/gofree

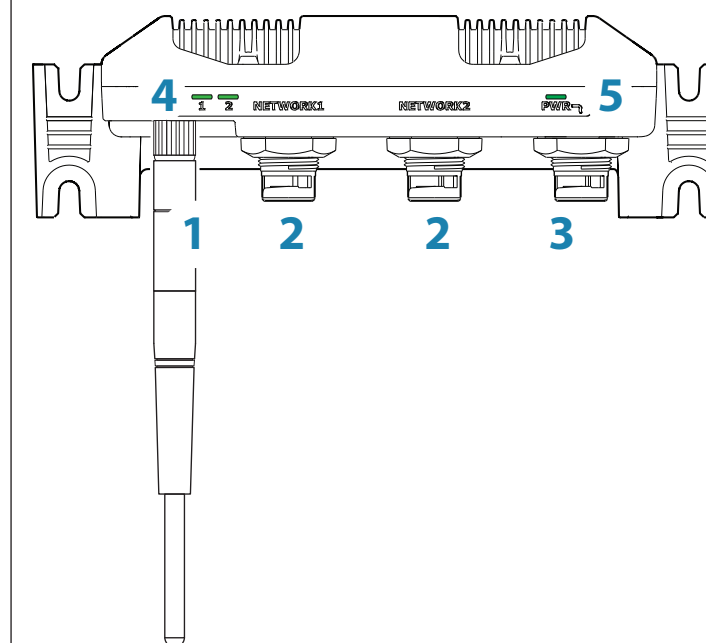


www.bandg.com/gofree

## Dimensional drawing



## Layout

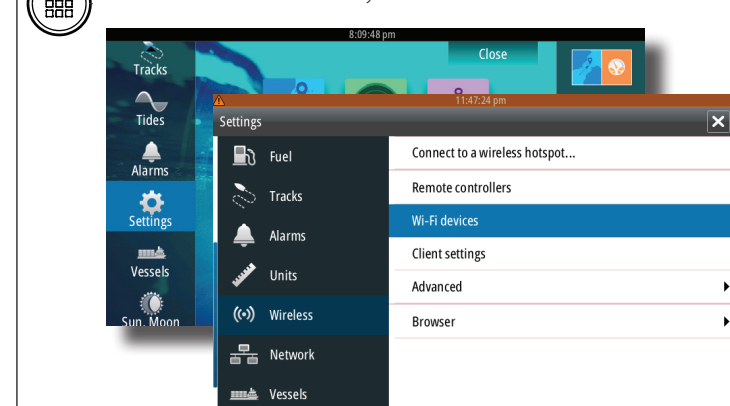


| Key | Description                         |
|-----|-------------------------------------|
| 1   | Antenna                             |
| 2   | Ethernet ports x 2                  |
| 3   | Power connector                     |
| 4   | Ethernet LEDs Green: port is active |
| 5   | Power LED Red: power on             |

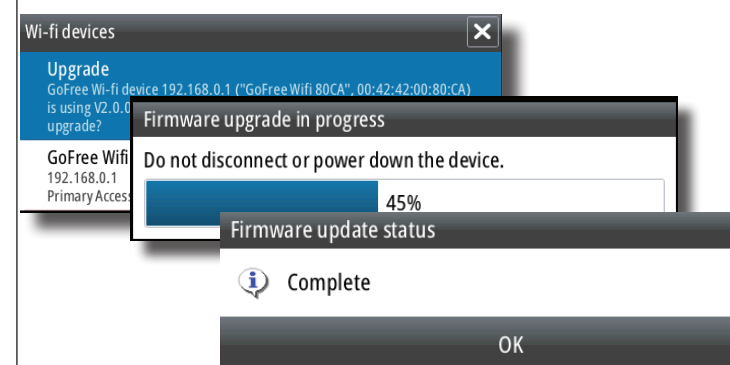
## Setup

→ **Note:** Compatible MFDs are required to have software that can support the GoFree Shop features. Please refer to the support page of the MFD website to upgrade the MFD. The MFD will then check the firmware version of the WIFI-1 module and will prompt an upgrade if required.

Select HOME or PAGES key



## Upgrade the WIFI-1 software if prompted



Set administrator password

For security purposes we recommend that you change the administrator password.

Settings

Fuel

Tracks

Alarms

Units

Wireless

Network

Vessels

Connect to a wireless hotspot...

Remote controllers

Wi-Fi devices

Client settings

Wi-fi devices

Security

To improve security you should change the administrator password for GoFree Wi-Fi device 192.168.0.1 ("GoFree Wifi 80CA", 00:42:42:00:80:CA).

GoFree Wifi 80CA

192.168.0.1

Primary Access Point

New Password:

.....

Confirm New Password:

.....

OK

Cancel

Wireless devices

Wireless device not found

No GoFree Wireless devices have been found on the network

➔ **Note:** after changing the password the WIFI-1 will restart and will be offline for about 30 seconds.

WIFI-1 modes

The WIFI-1 can be operated in one of two modes

Access point mode:

Mobile devices can connect to the WIFI-1 module so that apps such as GoFree can have access to the vessels navigation information

Client mode:

Connects the WIFI-1 to a nearby wireless hotspot so the multifunction display can connect to the Internet and have access to the GoFree Shop and other Internet features.

Mobile devices can no longer access the navigation information unless there is a second WIFI-1 on board

Access point mode

The WIFI-1 will need to be in access point mode in order for mobile devices to be connected. Access point mode is the factory default setting.

➔ **Note:** If the WIFI-1 is in client mode, see below how to disconnect and revert back to being in access point mode

Connect a mobile device to the network

Connect your mobile device to the WIFI-1 wireless network to enable the use of GoFree and other applications:

➔ **Note:** The WIFI-1 module must be in access point mode

Settings

Airplane Mode

Wi-Fi

Notifications

Location Services

Brightness & Wallpaper

Picture Frame

General

iCloud

Mail, Contacts, Calendars

Twitter

GoFree Wifi 80CD

Choose a Network...

GoFree Wifi 80CD

ocivan

Other...

Ask to Join Networks

Settings

Airplane Mode

Wi-Fi

Notifications

Location Services

Brightness & Wallpaper

Picture Frame

General

iCloud

Mail, Contacts, Calendars

Twitter

GoFree Wifi 80CD

Choose a Network...

GoFree Wifi 80CD

ocivan

Other...

Ask to Join Networks

Enter the password for "GoFree Wifi 80CD"

Enter Password

Password .....

Join

Password available on sticker supplied with Wifi-1 unit, and from MFD

Download Apps from the App Store

➔ **Note:** Graphics from iPad and App Store are examples only. Tablets and smartphones from other vendors can be used for controlling the MFD where relevant Apps are available.

Client mode

Connect WIFI-1 to a wireless hotspot

Connect the WIFI-1 to a wireless 802.11 b/g Internet hotspot to access the new and future Internet based features on your MFD such as the GoFree Shop.

- ➔ **Note:** GoFree apps on mobile devices will not work when WIFI-1 is connected to an Internet hotspot in client mode.
- ➔ **Note:** Change back to GoFree access point mode at any time to resume using GoFree Apps. Changing between modes can take up to 2 minutes.

Select HOME or PAGES key

Tracks

Tides

Alarms

Settings

Vessels

Sun\_Moon

Chart

Radar

Nav

Settings

Connect to a wireless hotspot...

Remote controllers

Wireless devices

Client settings

Advanced

Wireless devices

Connect to a wireless hotspot...

Connecting to a wireless hotspot will switch your primary GoFree WIFI-1 Access Point from being an access point to being a wireless client. Other wireless devices will no longer be able to connect to the network unless you have additional GoFree WIFI-1 Access Points on the network

OK

Cancel

Client settings

Changing mode...

Please wait while the GoFree WIFI-1 device restarts.

50%

Wi-fi device

Re-scan

MARINA-GUEST

WESTHAVEN

SANCTUARY\_MARINA

SUNSET

Change administrator password

MARINA\_GUEST

Auth Mode WPA2PSK

Encrypt Type TKIP

Network Key PASSWORD

Remember key

Connect automatically

Connect

Quick disconnect from the Internet

OR

System Controls

Settings

Standby

Power off

Brightness

Night mode

Touch lock

Disconnect Wireless

Instrument bar

Adjust splits

Disconnect Wireless

Are you sure you wish to disconnect from the Wireless hotspot?

Yes

No

Disconnecting will switch the WIFI-1 back into access point mode.

➔ **Note:** The WIFI-1 module will restart each time the mode is changed. The WIFI-1 will be off line for up to two minutes.

Quick re-connect to the Internet

OR

System Controls

Settings

Standby

Power off

Brightness

Night mode

Touch lock

Connect Wireless

Instrument bar

Adjust splits

Wireless devices

Connect to a wireless hotspot...

Connecting to a wireless hotspot will switch your primary GoFree WIFI-1 Access Point from being an access point to being a wireless client. Other wireless devices will no longer be able to connect to the network unless you have additional GoFree WIFI-1 Access Points on the network

OK

Cancel

Changing mode...

Please wait while the GoFree Wifi Access Point restarts.

50%

➔ **Note:** If a wireless hotspot was set to remember key and connect automatically and is in range. The WIFI-1 will connect to it automatically