



CAREFREE

BT12 FIRMWARE UPDATE (AU)

Service

This procedure uses the “nRF Connect for Mobile” App

Users have reported issues with awning operation when using Android devices. Carefree recommends a firmware update for the BT12 Control Module to resolve these issues.

The firmware update contains 3 important features:

1. Prevents the module from going to “sleep” because of lost connection or lack of use.
2. Improved usability of Android products; and,
3. A slight modification to the functionality of the remote control. The extend button must be pressed twice before the awning extends. From a fully retracted position, when the extend button is pressed once the awning will beep to indicate the awning is ready to extend. When the extend button is pressed a second time the awning will extend to the fully extended position. All other remote functions remain the same.

NOTES ABOUT FIRMWARE UPDATES

1. The update will reset custom settings to the factory default values (i.e. motion sensitivity and LED settings).
2. After the update is complete, it will be necessary to pair the peripheral devices (i.e. remote, motion sensor, mobile device). Follow the pairing procedure found in the BT12 Installation manual or in the Carefree Connects app manual.

If a device has trouble pairing: a) Remove the batteries from the device; b) Set the module into pairing mode; c) Install the batteries. The device should pair within 90 seconds.

PROCEDURE

DOWNLOAD THE APP

This procedure uses the “nRF Connect for Mobile” App. The app is free to download from the App Store for Apple products or on Google Play for Android devices.



DOWNLOAD THE FIRMWARE FILE

There are two ways to download the firmware:

a) Use the QR Code:



OR

b) Go to

<https://aed.sharefile.com/d-s18c3ec7bcad46689>

c) Download the zip file BT12_2.2.4_AU.zip and then return to home screen.

UPDATE THE FIRMWARE



Indicator Light

BT12

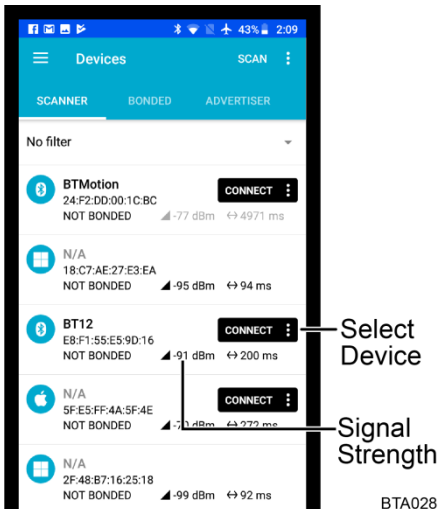
1. Ensure that there is power to the BT12. The indicator light on the module is on when the module has power.



2. Open the “nRF Connect for Mobile” App.

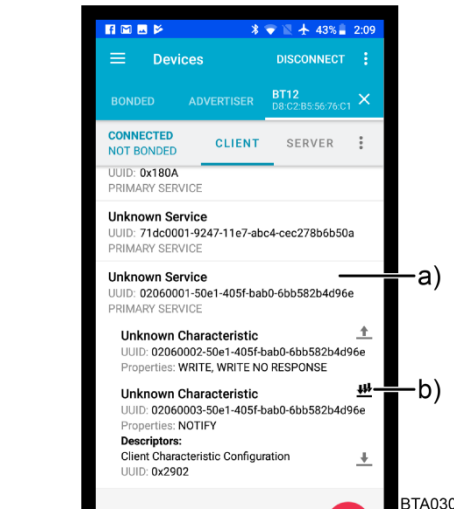
USING THE ANDROID APP

3. Select the BT12 to be updated.

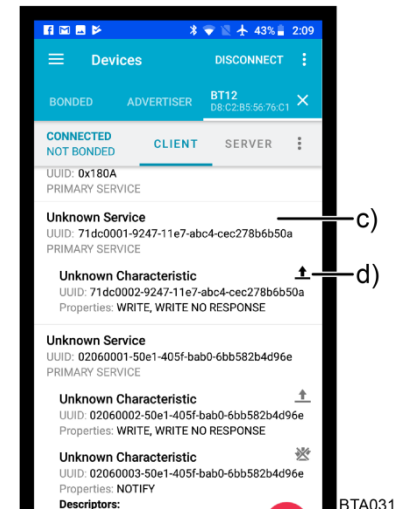


If more than one unit is in the area, use the signal strength to determine which is closest to your device. The smaller the number the closer the device.

4. Connect

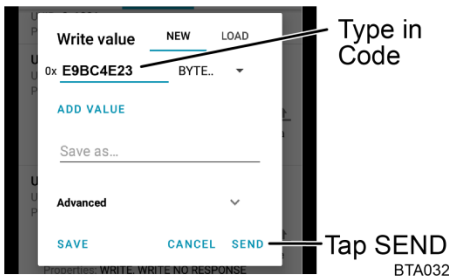


- a) Select last "Unknown Service"
b) Tap the "Three Arrow" icon



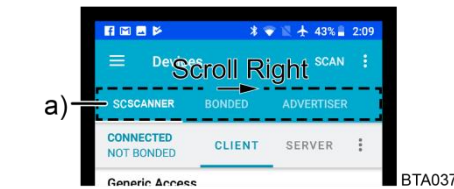
- c) Select first "Unknown Service"
d) Tap the "Up Arrow" icon

5. Type in code "E9BC4E23"

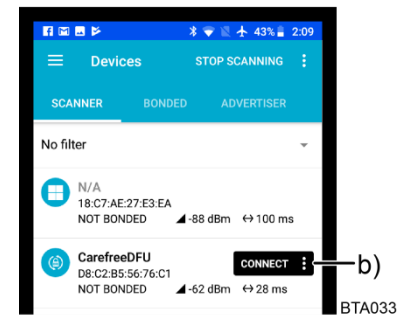


6. Load "CarefreeDFU"

a) Scroll then select "SCANNER"

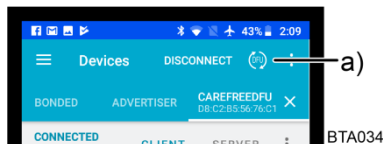


b) Select "CarefreeDFU"

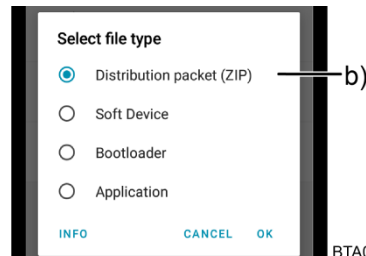


7. Load the firmware update file.

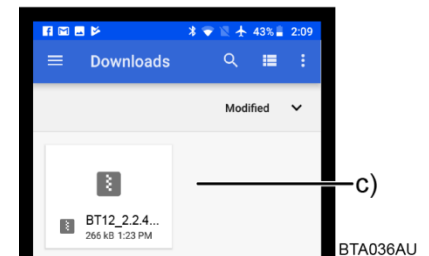
a) Tap DFU icon



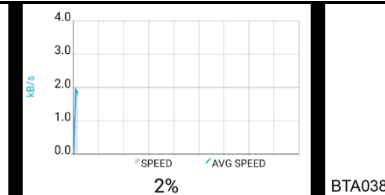
b) Select "Distribution packet (ZIP)"



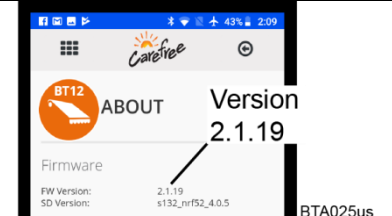
c) Select BT12_2.2.4_AU.zip



8. The status screen moves from 0% to 100% as individual data packages are installed.

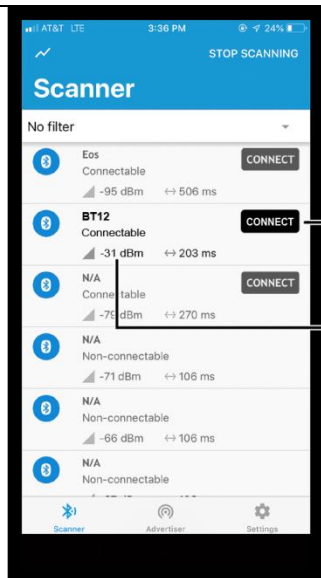


9. When complete close the app.
10. Open the Carefree Connects app.
11. Go to the "About Screen" and confirm that the firmware version is 2.1.19.
- NOTE:** Do NOT disconnect power to the BT12 module after the app says update is complete for a minimum of 2 minutes. This is to allow the update to finish processing the changes.



USING THE IPHONE APP

4. Select the BT12 to be updated.



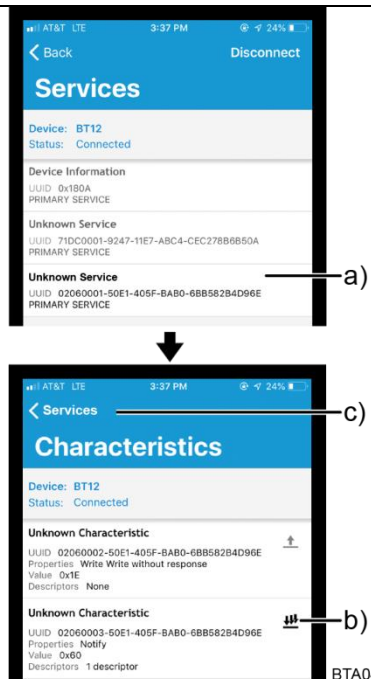
- Select Device

-Signal Strength

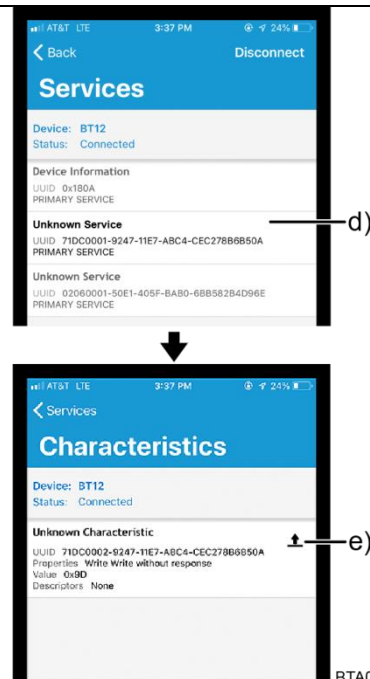
RTA040

If more than one unit is in the area, use the signal strength to determine which is closest to your device. The smaller the number the closer the device.

5. Connect

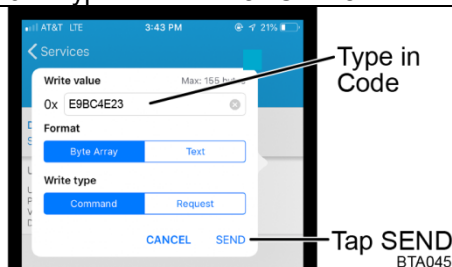


- Select last "Unknown Service"
- Tap the "Three Arrow" icon
- Return to Service Screen



- d) Select first "Unknown Service"
- e) Tap the "Up Arrow" icon

6. Type in code “E9BC4E23”

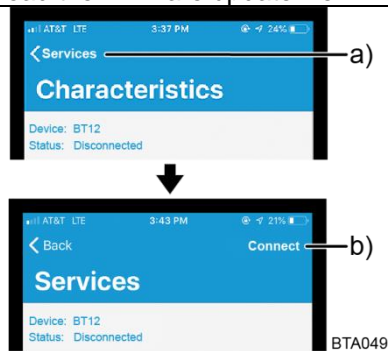


Type in
Code

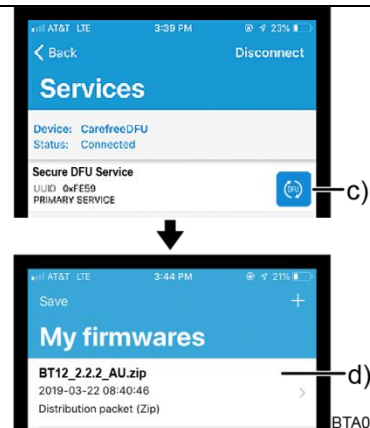
Tap SEND
BTA045

BTA045

7. Load the firmware update file.

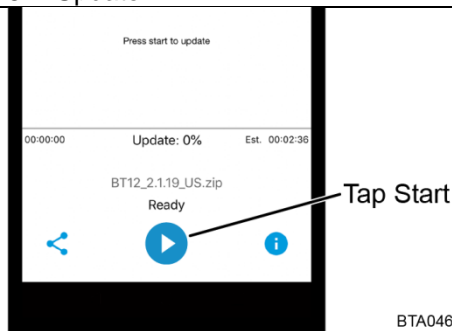


- Return to Service Screen
- Tap Connect
- Select "Secure DFU Service"
- Select BT12_2.2.4_AU.zip



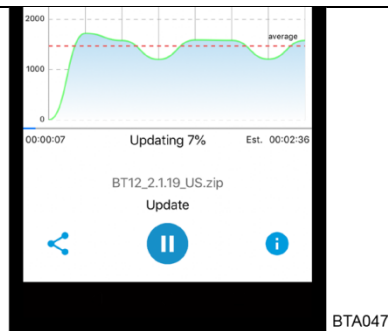
BTA043AU

8. Update

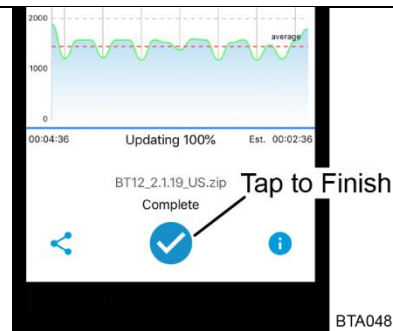


Tap Start

RTA046



The status screen moves from 0% to 100% as individual data packages are installed.



BTA048

Tap the check symbol when the process is complete.

9. When complete close the app.