Aurora Design
FMR Connect™ Mobile App

Operation Manual

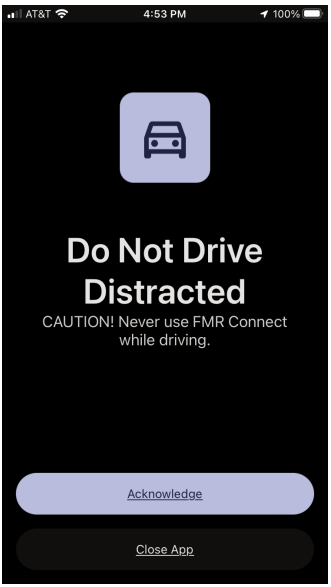
The FMR Connect™ App, available for iOS™ and Android™ provides a means to adjust basic and advanced settings on a FMR-3.x radio using a graphical user interface. On any FMR-3.x radio equipped with a BTU/BTL Smart-3.2, changes can be made in real time to the radio.

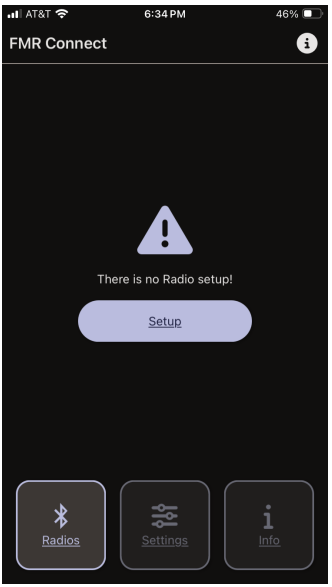
Basic Operation:

The FMR Connect™ App connects to the radio over Bluetooth Smart and allows settings such as Balance, Fader, EQ, radio name, etc. and on radios equipped with DAB radio, scanning and editing of the station list.

Initial Setup:

After downloading the FMR Connect™ App, the first time it is launched (and after any update) you are presented with a warning that must be acknowledged to continue after which you will be at the startup page:



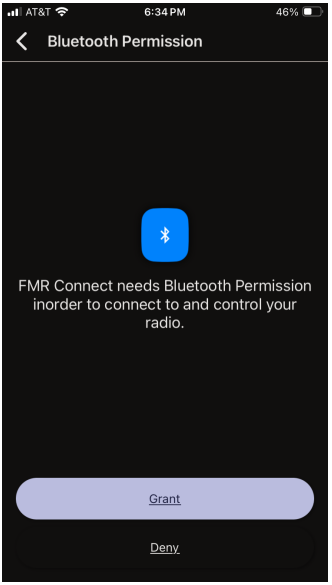


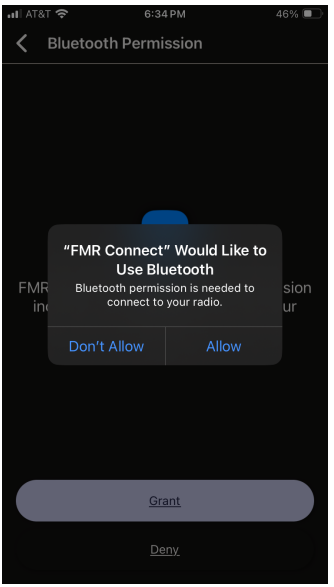
Similar to Pairing any Bluetooth Classic device, the FMR Connect™ App must be Paired and Bonded with the radio. (as many radios as desired can be Bonded) To Bond the App to the radio, the radio must be in Pairing mode.

Note: if the radio is currently connected to a phone, you must first go to the phone's Bluetooth settings and temporarily disconnect the phone from the radio or enter Pairing immediately after turning the radio on before it connects.

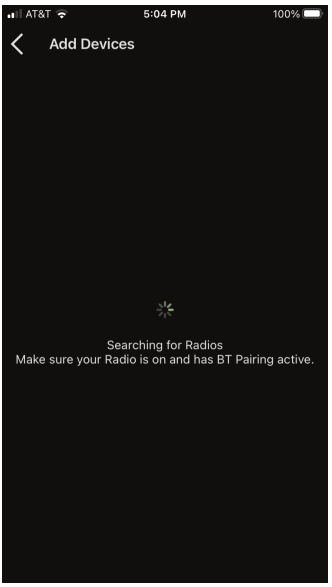
Once the radio is in Pairing, tap the *Setup* button. The App will then scan for the radio and when found will appear in the Device List.

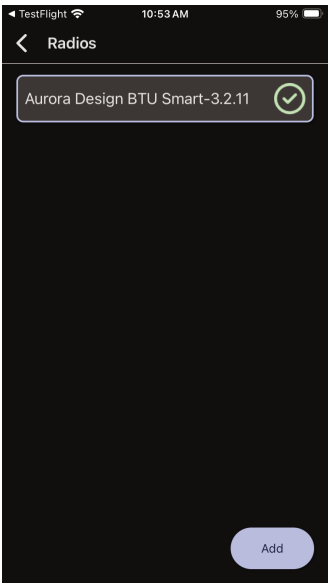
Note, the first time you Bond a phone the App will ask for permission to use the phone's Bluetooth connection. You must allow this connection to proceed.





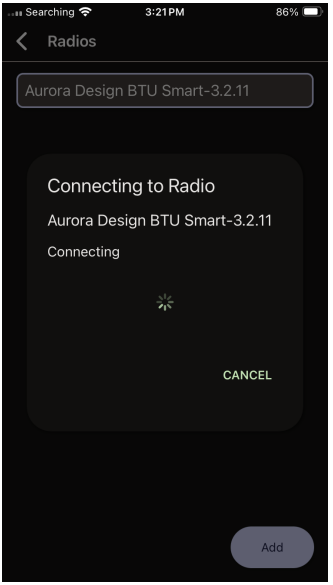
The App will then scan for radios that are in *Pairing* mode. Once found they will be added to the *Device* list.





Tap the desired radio in the list to Connect the App to the radio. This will take you to the main page. Note, whenever the App is connected to the radio, most virtual controls on the radio will be disabled. If the App is put into the background it will disconnect from the radio, releasing the controls, and when brought back into the foreground will reconnect in the same way.

Note, this is a good time to also Pair the phone to the radio.



Devices Page:

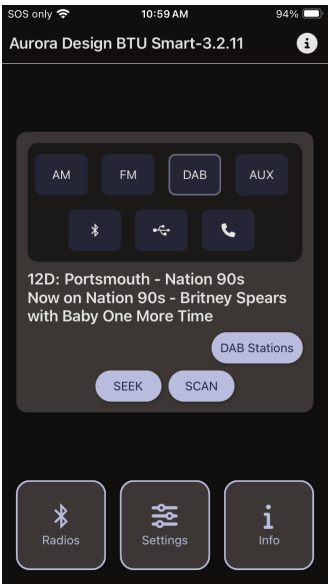
The *Devices* page will display all the Paired radios. The currently Connected radio will show a checkmark. Radios can be removed from the list by swiping. New radios can be added by tapping the *Add* button and going through the Pairing procedure.

Main Page:

The *Main* page will display the current state of the radio:

The top section displays the current operating mode of the radio. The lower section shows the controls available for the current mode. In the images below, the radio station is displayed as well as the HD™ sub-channel for the HD™ radio and the DAB Stations button on the DAB radio.

FMR/BTx Smart Radio with HD™



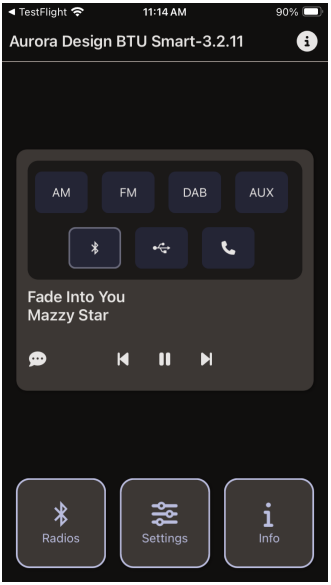
FMR/BTx Smart Radio with DAB

For HD™ equipped radios, you can touch the HD-x button to select that sub-channel. For DAB equipped radios, you can touch the DAB Stations button to go to the DAB setup screens.

The Seek and Scan buttons allow you to go to the next channel on a motorized tuner radio. On non-motorized tuner radios, a Scan button will be shown.

Highlighted buttons in the top section allow you to immediately switch to that mode. Note, not all radios will have the same options as the ones shown above. The available modes will depending on which options your radio has and how it was setup.

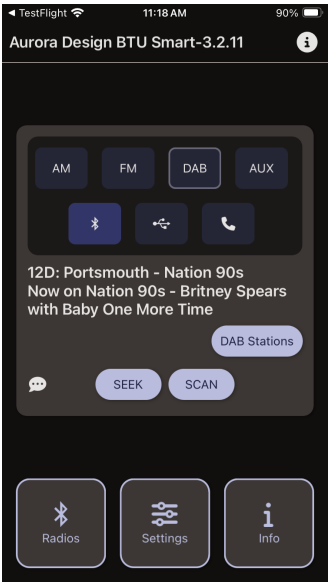
When a connected Bluetooth or USB[1] device is playing, the display will show the current song name and the available controls as shown below. Note, if the name is longer than 90 characters it will be truncated for display. Also if a Bluetooth Voice Assistant is available such as Siri™ or Google Assistant™ , the icon displays in the lower left corner. as shown below:



Bluetooth Streaming

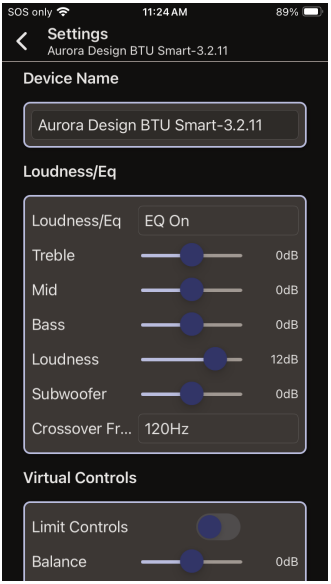
USB[1] Streaming

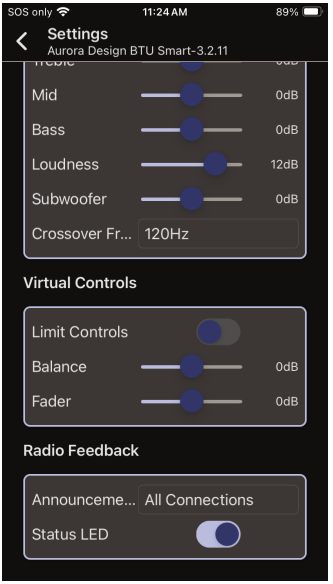
Also when a connected Bluetooth or USB[1] device is available, the icons will be highlighted allowing you to start playing them from any operating mode. When paused, the radio will return to the prior mode.



Settings Page:

The *Settings* page will display all the basic radio settings in graphic format:





Device Name: The name of the radio can be changed here to be more descriptive such as “Darryl’s 1964.5 Mustang”. This name will be used for all Bluetooth connections making it easier to identify the radio.

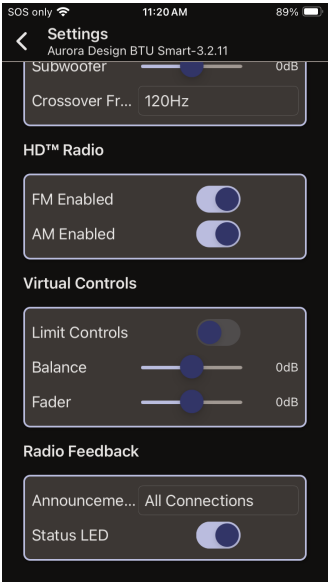
Loudness/EQ: The Loudness and Equalizer settings of the radio can be adjusted in this panel.

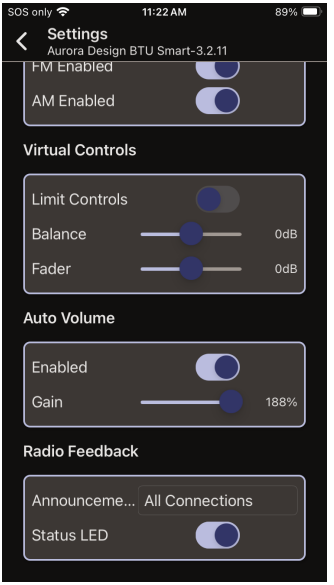
Virtual Controls: If the radio requires Virtual controls such as *Balance*, *Fader* or *Tone*, they will be presented in this panel. Note, only the ones currently required by the radio will be shown. The *Limit Controls* option will limit the number of *Virtual Controls* available on the radio with only the necessary ones allowed such as Pairing. This can be useful to not allow settings to be changed from the radio but only using this App.

BT Announcements: This setting will limit the amount of Bluetooth announcements from the radio such as *Bluetooth Connected, Bluetooth Disconnected, Bluetooth Link Lost,* etc. This can be used to make the Bluetooth operation less intrusive to listening to the radio.

Optional Settings:

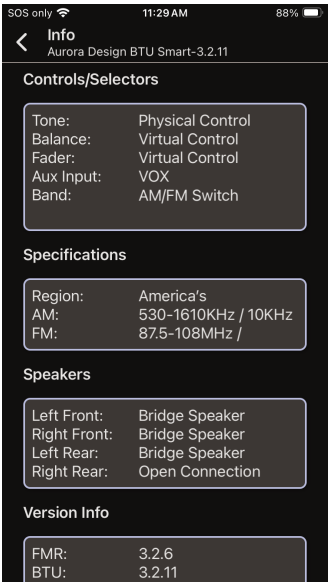
These *Settings* panels will only show if the features are detected. The left panel shows an *HD™* radio while the right panel shows the *Auto Volume*. Note the *Auto Volume* will only be displayed if the radio and vehicle have been wired for this option and the engine is running.

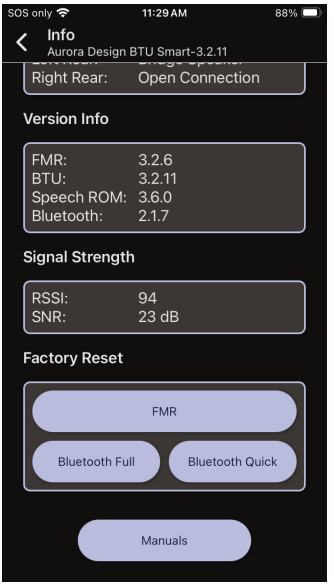




Info Page:

The *Info* page contains all the configuration and current operating information about the radio.





Controls/Selectors: This panel displays how the controls and selectors on the radio were configured during installation. For example Virtual vs Physical controls, band selection method, etc.

Specifications: This panel displays what region of the world and what bands the radio was configured for during installation.

Speakers: This panel displays what loads were detected on power up at each speaker output. This can be *Bridge Speaker, Grounded Speaker, Line* and *Open*. Please see User Manual for more information about connecting speakers.

Version Info: This panel displays all the current versions of the installed options in the radio.

Signal Strength: This panel displays the RSSI and optionally the SNR of the received radio signal. This can be very useful in diagnosing a problem with the antenna or adjusting it for optimal reception. The SNR will only show on radios equipped with a digital radio option (HD™ or DAB).

Factory Reset: This panel allows the radio to be reset back to factory settings. The *FMR* button will reset all FMR setting. Note, this option will not reset the optional DAB radio.

The *BT Quick* reset will clear all paired phones from the radio. Note this only affects Bluetooth Classic pairings, i.e. those used for phone and audio. It will not affect FMR Connect™ pairings.

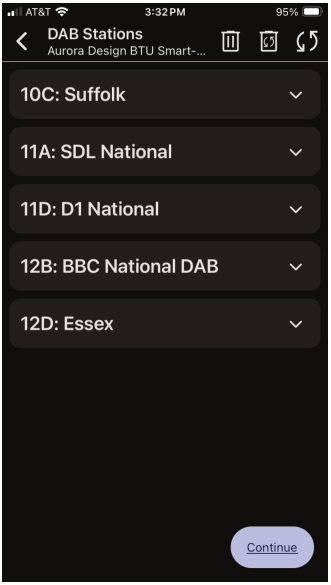
The *BT Full* reset will reset all Bluetooth settings including all paired phones and FMR Connect™ pairings.

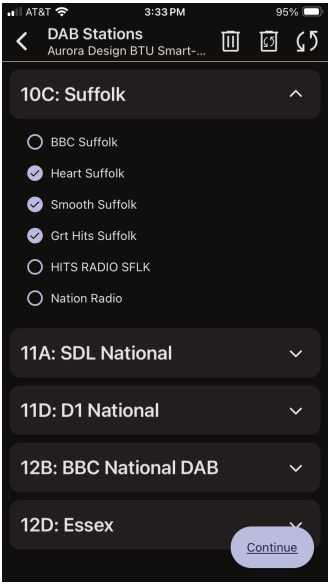
Manuals: This button will open a separate browser widow with the all the FMR and optional User Manuals.

DAB/DAB+:

On radios that have the DAB/DAB+ option, a *DAB Stations* will appear on the Main page when the radio is in DAB mode. Tap this button to go to the DAB settings page.

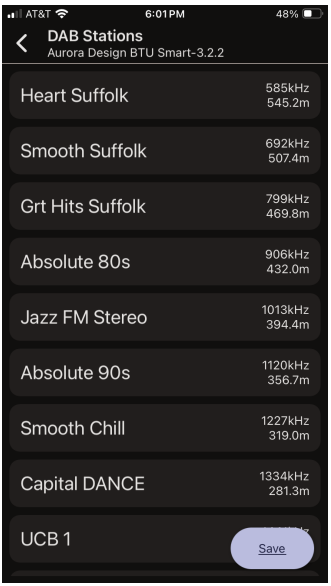
The main DAB page will present the currently scanned stations and allow for control of the DAB radio. Each Ensemble can be expanded showing the stations underneath. Each station, up to the limit of 50, can be selected or deselected for presentation on the radio dial.

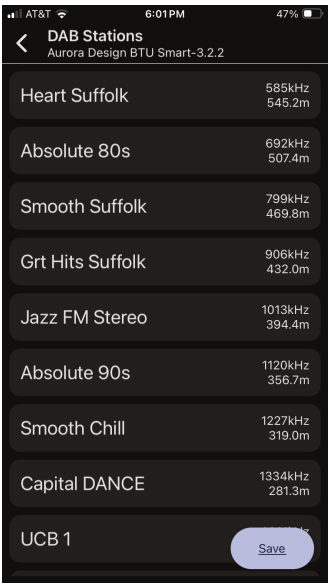




Once the desired stations are selected, the *Continue* button will take you to a page that displays the selected stations and how they will appear on the radio dial. the right side of the page shows the location the station will appear on the MW (AM) dial of the radio.

On this page you can drag and drop the stations in the order you want them to appear on the radio dial. For instance you can group all the same era or genre stations together at the bottom of the dial and so on.





Once the station list is acceptable, the *Save* button is tapped and the radio is updated. If additional editing is required, use the back arrow to continue editing the station list.

Additional controls at the top of the DAB Station Edit page are available to control the radio. These controls will allow you to *Trash* the existing scanned stations, *Trash and Scan* for new stations and *Scan* for additional new stations.

Note, the radio must be in DAB radio mode to perform any of these operations.

FMR Connect™ for iPhone™

FMR Connect™ for Android™

Troubleshooting:

Pairing/Bonding: When Pairing is opened on the radio it opens both Classic and Smart. You can then pair either one or both. If you only pair one, the radio will announce the other one did not pair after the timeout period.
Note: depending on your device, you may see an entry named "LE_Aurora Design BTx" listed in the Classic pairing list, just ignore this entry.

Phone/Music not working: The phone must be both Paired to the radio for phone/music and the FMR Connect™ App bonded to the radio. These are two separate actions and must both be completed.

Poor Range: Make sure nothing is obstructing the dial face of the radio or the openings along the bottom of the radio chassis. Try moving your Bluetooth device to a different location.

1- USB interface available only on BTU Smart module.

*- Some features shown are available only with certain FMR options.