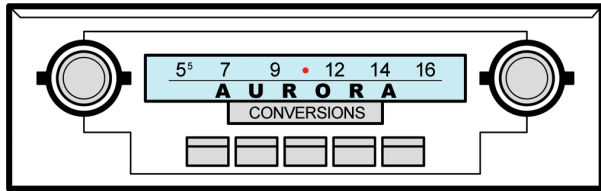


Aurora Design DAB/DAB+ Receiver

Quick Start Guide



DAB/DAB+ radios operate differently than traditional AM/FM radios and require a Setup procedure before the radio can be used. The basic steps are:

- Scan for available stations in your area. The radio logs these stations into non-volatile memory.
- Edit the Active Station list. This is a list of your favorite stations that is also saved to non-volatile memory. You can have as few as 1 active station and as many as 50.
- In operation, the Active Stations will be presented across the radio dial and are tuned as any analog AM/FM radio station is tuned, making DAB radio operation transparent to the user.

DAB Setup Control Actions



Step 1: DAB Setup

The DAB Setup mode is entered by triple twisting the tone control as shown. (Note: the radio must be in DAB radio mode)

An announcement will be heard when the radio enters DAB Setup mode. Within 8 seconds, the DAB Scan, DAB Edit or Clear All Stations mode must be entered. If not, the radio will exit the DAB Setup mode and an announcement will be heard.

The Clear All Stations mode is useful when moving to a new area and you want to remove all prior scanned stations from the radio. Note this will clear all stations from the radio and a Scan and Edit will be required!

Step 2: DAB Scan

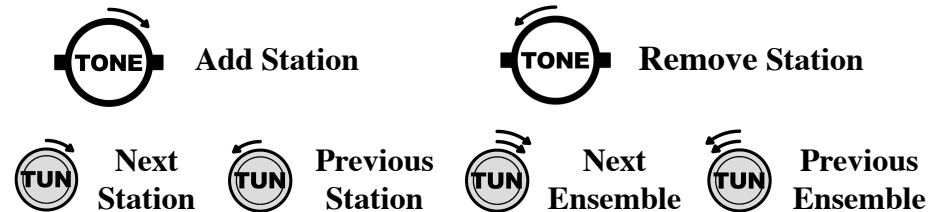
This action starts the radio scanning for new stations. (Note: If you just want to edit the existing Active Station list, proceed directly to Step 3)

Within 8 seconds of entering DAB Setup mode, triple twist the tone control as shown. An announcement will be heard and the front panel status LED will blink to signify the radio is scanning for available stations. A periodic beep will also be heard to signify scanning is in progress. This process may take several minutes to complete depending on the number of Ensembles and Stations in your area. If no stations are found the scan will automatically start over.

The stations that are logged during this Scan can only be updated by another Scan or by the Clear All Stations action.

Note the radio should be in an open outside area during Scan to find the most stations. Avoid having the radio inside a building or other structures. If you are not getting the number of stations you believe you should, try moving to a different location and rescanning.

DAB Edit Control Actions



Step 3: DAB Edit

Note: for radios that have an optional USB interface, DAB editing can be done graphically on a computer using the FMR Configurator tool. Please refer to the FMR Configurator User Manual for more information.
<https://www.tech-retro.com/aurora-design/fmr-downloads.html>

This step is used to Edit the Active Station list by adding or remove stations that were found during a Scan. Only the Active Station list is modified during this step. Stations that were logged during a scan are not modified.

Within 8 seconds of entering DAB Setup mode, triple twist the tone control as shown. (Note: Edit mode is automatically entered after a Scan is completed) An announcement will be heard followed by:

- Number of currently logged Ensembles
- Number of currently logged Stations
- Number of stations currently set to Active

The radio is capable of presenting up to 50 active stations across the tuning dial. If less than 50 stations were found during the Scan, all will be initially marked as active. If more than 50 stations were found during the Scan, up to the first 40 stations will automatically be marked as active.

Note: Any stations that were previously marked as active that are found to match in a new Scan will automatically be marked as active. In this way, you can rescan for new or changed stations without affecting the Active Stations list.

The radio will start playing the first station in the first Ensemble logged. It will also announce the Ensemble and the sequential position number in the log table to aid in the setup of the Active Stations.

While in the Edit mode, the front panel status LED will alternate between Aqua/Green or Aqua/Red signifying if a station is currently marked as Active (Green) or Inactive (Red). To add or remove a station from the Active Station list, twist the Tone control as shown. The radio will announce that the station was added or removed and then announce how many stations are currently in the Active Stations list. If you try to add a station that is already set to active, or try to remove a station that is not set to active, an error tone will be heard. Additionally if you try to add more than 50 stations to the Active Station list, an error announcement will be heard.

To go to the next station, twist the tuner control as shown. To go back to the previous station twist the tuner control in the opposite direction as shown. To skip to the next Ensemble, double twist the tuner control as shown. To go to the previous Ensemble, double twist the tuner control in the opposite direction as shown.

Note: While parsing through the stations, the sequential position number will be announced. Additionally when changing between Ensembles, the Ensemble channel will be announced.

During Edit, the FMR Status Voice Assist action can be performed and the radio will announce the first few letters of the station name followed by the Ensemble channel number.

DAB Setup End

At any time, triple twisting the tone control as shown will end Setup, returning the radio to normal operation. If the radio was in Edit mode when Setup ends, the final number of stations set to active will also be announced.



DAB Quick Scan:

For initial setup, or when traveling to different areas, it may be desirable to quickly scan and add new stations. This action will scan for stations, replacing any stations not found in the new scan. Note, only the first 50 stations will be presented on the dial.

Operation

Operation of the DAB/DAB+ radio is virtually the same as a standard AM/FM radio. The stations that you set to Active will be evenly spaced across the radio dial.

There are two ways to enter the DAB/DAB+ radio mode depending on how your radio was configured. (consult the Configuration section of your FMR User Manual for more information) One method uses power cycling to toggle between DAB/DAB+ and AM/FM operation. The second method uses a band switch to select between DAB/DAB+, AM and FM operation.

Because digital radios take a second for the audio to be heard, a “plink” sound will be heard between stations to aid in tuning. Please refer to the FMR User Manual / Quick Start Guide for more information on basic radio operation. For aid when setting up your DAB/DAB+ radio, go to a website like <http://www.wohnort.org/dab/> and print out the Ensembles for your area. This makes it easier to determine what stations are in your area.

Antenna

The antenna length is critical for DAB/DAB+. Start by setting the length to 100cm as measured from the base to the tip and tuning to an active station. Using the Signal Strength feature of the FMR (see FMR User Manual / Quick Start Guide for more information), slowly adjust the length for best signal strength, stepping away from the antenna after each adjustment so as not to interfere with the radio signal.

Note: Radio must be in DAB/DAB+ operating mode. Once DAB Setup/Edit mode is entered, all other DAB actions become available.

Note: Any attached USB or connected Bluetooth devices will be disabled during DAB Setup. They will automatically return to normal operation when DAB Setup has ended.

The Aurora Design DAB/DAB+ Receiver uses unique patented technology not available in other solutions.