Aurora Design Advanced Features Guide

FMR   **FMR**
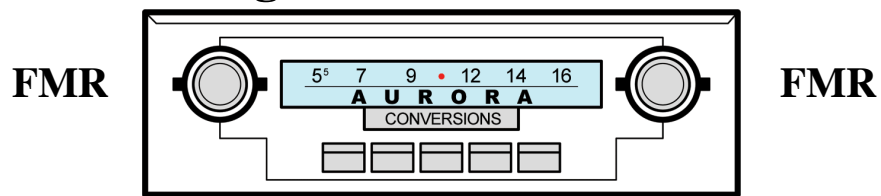
Loudness/EQ Control Actions

Loudness / EQ On/Off   **Previous EQ**   **Next EQ**

The Loudness/EQ settings allow the user to tailor the sound of the radio to their particular speakers/vehicle. The EQ feature contains a 3 band equalizer with adjustable loudness and subwoofer control.

By performing the triple twist action as shown above, the radio will rotate through the following modes:

→ Loudness/EQ Off → Loudness On → EQ On →

The radio will announce each mode as it is selected. Note, the radio normally defaults to Loudness On mode which is all that is required for most installations. In this mode the Loudness and EQ settings are automatically handled by the radio.

To make adjustments to these settings, set the radio to the EQ On mode. Immediately use the single Tone control action shown above to enter the EQ Adjust mode. Each time the Previous/Next action is performed **while the radio is still announcing the current setting**, the radio will move to the previous or next setting. The settings are as follows:

↔ Treble ↔ Mid ↔ Bass ↔ Loudness ↔ Subwoofer ↔ Crossover ↔

Once the desired setting has been selected and the radio has finished announcing the setting, rotating the Tone Control will adjust the setting in real time. When making an adjustment, a "plink" sound will be heard each time the setting crosses the center point. The Treble/Mid/Bass/Subwoofer can be adjusted up to +/-10dB. The Loudness can be adjusted from 0-15dB. The Subwoofer Crossover can be adjusted to 55Hz/85Hz/120Hz/160Hz. The Tone position is just normal operation of the control.

The radio will stay in this mode as long as the setting is being adjusted. (similar to the virtual Balance/Fader) After 3 seconds of inactivity the radio will announce the setting being saved and the actual dB level of the setting.

After about 30 seconds of inactivity, or performing the On/Off action again, the radio will end the EQ Adjust mode (an announcement will be heard) where no further changes can be made without first reentering the EQ Adjust mode. Note you can turn the Loudness or EQ off and back on without losing any of the settings. Turning the radio off at anytime will abort the current operation.

Tube Emulation Action

Tube Emulation Control

If your radio was equipped with the Tube Emulation mode, simulating the operation of a tube radio, the behavior can be changed by quad twisting the Tune control while in the "warmup" period or within 4 seconds of turning the radio on. The radio will rotate through the following modes:

→ Warmup with vibrator sound → Warmup only → Off →

The radio will immediately move to the next mode. When moving from Off to Warmup with vibrator, the "warmup" period will start on the next power cycle. The radio will announce each change as it's made.

A.V.C. Actions

AVC On/Off   **Reduce Gain**   **Increase Gain**
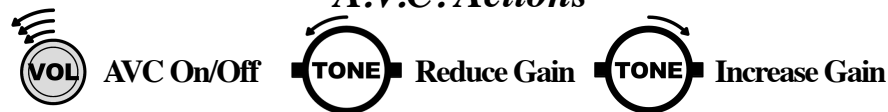
If your radio was equipped with the Automatic Volume Control feature, the radio volume automatically goes up and down with engine speed. You can adjust the gain of compensation as follows:

Turn the AVC on. Immediately use the Tone action shown to enter the Adjust mode. The radio will announce the current gain. You can increase or decrease the gain as shown above. After about 30 seconds of inactivity, or performing the On/Off action again, the radio will end the AVC Adjust mode. (an announcement will be heard) Note: Engine must be running to enable AVC.

Reset Actions

FMR   **Quick Bluetooth**   **Full Bluetooth**

Immediately after turning the radio on, perform the *Version* action shown in the FMR Quickstart Guide. While the radio is still announcing, perform one of the actions above. Note: DAB stations will not be cleared on DAB equipped radios. (see DAB QuickStart Guide for information on clearing DAB stations)

Note: for radios that have an optional USB interface, These settings 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