

Overview

Add AM/FM Radio functionality to your Mi Series system with the DAS-AMFM AM/FM Tuner Module (FG1110-01).

- Up to two DAS-AMFM modules can be added to each Mi Series controller.
- Each tuner module uses one source input on the audio controller.

WARNING: Disconnect all power sources before opening the chassis. Failure to disconnect power before performing this installation may cause injury or death.

CAUTION: Make sure to discharge all static electricity from your body before touching any components of the tuner modules or the audio controller. Failure to do so may lead to permanent damage to the tuner or controller.

Single Tuner Installation Instructions

Installing The Tuner Module in the Controller

1. Remove the cover from the controller.
2. With the back of the unit facing you, remove the screws from the Tuner Option cover plate at the right top corner of the rear panel (FIG. 1) and remove the plate. Retain the screws, as they will be used to install the tuner.

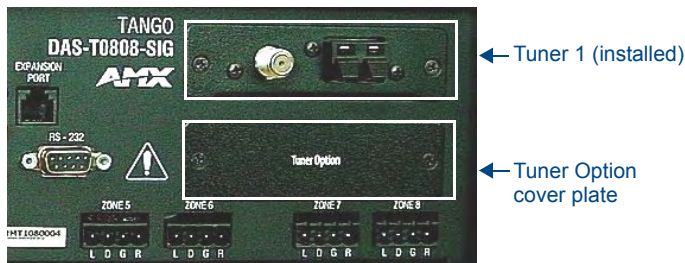


FIG. 1 Rear Panel Tuner with Tuner Option cover plate

3. Carefully insert the DAS-AMFM tuner module into the controller, with the electronics facing up, and use the screws that attached the Tuner Option cover plate to secure the tuner to the controller.

Note: Be careful not to damage the white ribbon cable on the top of the Tuner module.

4. Place the Rear Panel connector at the end of the ribbon cable (FIG. 2) on the rear board pin-bus, keeping the red stripe at the top.

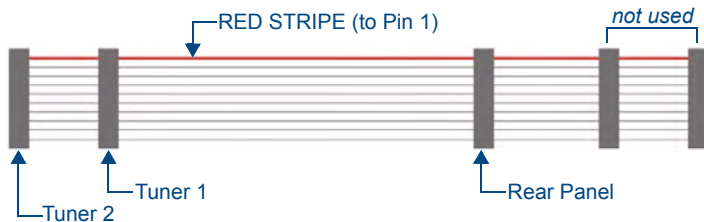


FIG. 2 Tuner Ribbon Cable

5. Connect the "Tuner 1" connector on the ribbon cable to the Tuner 1 module (FIG. 3).

Note: The ribbon cable must be oriented so that the red stripe is connected to Pin 1 on the connector.

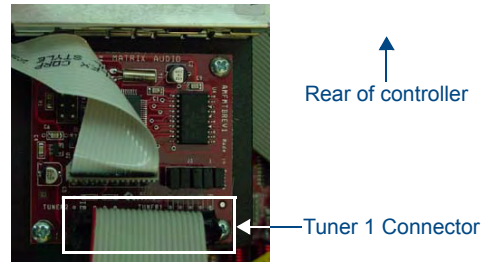


FIG. 3 Tuner 1 Module Connection

- Be sure that both ends of the cable are securely plugged into their respective boards through the 20-pin connectors (FIG. 4).

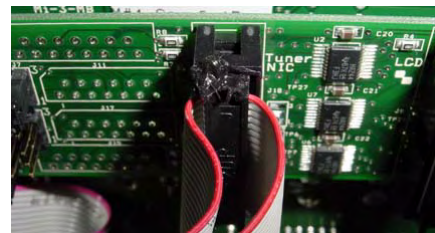


FIG. 4 20-Pin Connector and Ribbon Cable

Setting the Jumpers in the Controller

Examine the configuration of the jumpers on the left end of the rear board, as seen when viewing the rear board from the front of the controller.

The jumpers should be in the "Off" position, with the top pair of pins in each configuration exposed and the jumpers connecting the second and third set of pins.

Move the top set of jumpers to the "On" position, connecting the first two sets of pins and leaving the third set exposed (FIG. 5).

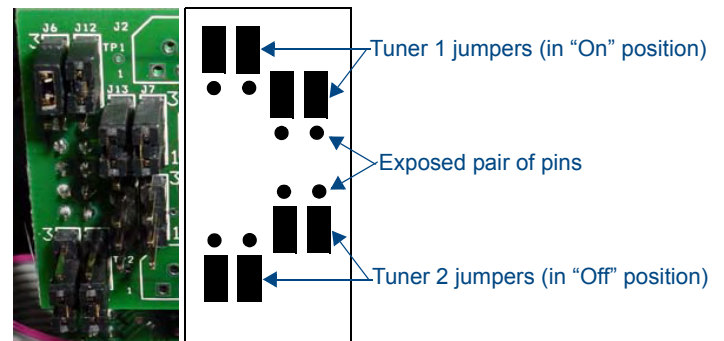


FIG. 5 Controller Jumper Configuration

- Reconnect power to the unit and turn it on to make sure that the tuner is properly integrated with the controller.
- If the tuner is functioning properly, remove power and replace the unit cover.

Dual Tuner Installation Instructions

Installing The Tuner Modules in the Controller

1. Remove the cover from the controller.
2. With the back of the unit facing you, remove the screws from both Tuner Option cover plates on the right side of the rear panel and remove the plates. Retain the screws, as they will be used to secure the tuners.

3. Carefully insert Tuner 2 in the lower slot, electronics facing up, and secure with the screws from the Tuner Option plate.

Note: Make sure not to damage the white ribbon cable on the top of the Tuner module.

4. Connect the **Tuner 2** connector on the ribbon cable to Tuner 2 (see FIG. 2).

Note: The ribbon cable must be oriented so that the red stripe is connected to Pin 1 on the connector.

5. Carefully insert Tuner 1 in the upper slot, electronics facing up, and secure with the two remaining screws from the Tuner Option plates.
6. Connect the **Tuner 1** connector on the ribbon cable to Tuner 1 (see FIG. 2).

7. Connect the **Rear Panel** connector on the ribbon cable to the rear board pin-bus with the red stripe at the top (see FIG. 2). The ribbon cable should be connected as shown in FIG. 6 and connected to the Rear Panel as shown in FIG. 4.

Note: The ribbon cable must be oriented so that the red stripe is connected to Pin 1 on the connector.

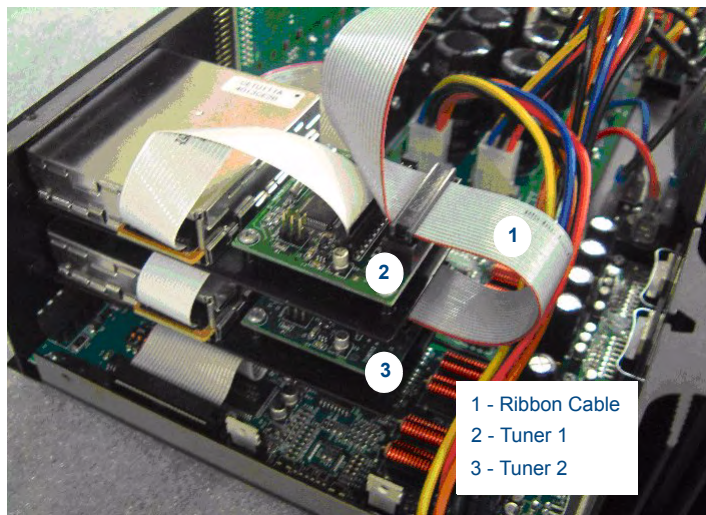


FIG. 6 Dual Tuner Cable Hook-Up

Setting the Jumpers in the Controller

Examine the configuration of the jumpers on the rear board (see FIG. 5). The jumpers should be in the "Off" position, with the top pair of pins in each configuration exposed and the jumpers connecting the second and third set of pins.

Move the top and bottom set of jumpers to the "On" position, connecting the first two sets of pins and leaving the third set exposed.

- Reconnect power to the unit and turn it on to make sure that the tuners are properly integrated with the controller.
- If both tuners are functioning properly, remove power and replace the unit cover.

Setting the Jumpers on the Tuner Modules

When installing two tuner modules, the jumper settings on the tuners themselves must change as well as the rear panel jumpers (to identify each Tuner module as *Tuner 1* or *Tuner 2*).

Examine the configuration of the jumpers located on the Tuner Modules, to the right of the 20-pin ribbon cable connector (as seen when viewing the installed modules from the front of the controller).

- Note that there are two rows of 5 pins as shown in FIG. 7.
- With only a single tuner, all pins are jumpered.

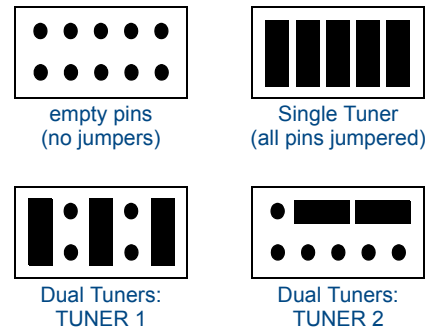


FIG. 7 Tuner Module Jumper Configuration

Note: All DAS-AMFM AM/FM Tuner Modules are shipped in the single tuner configuration.

Removing the Pre-Installed Tuner Module

Mi Series Audio Controllers include one DAS-AMFM Tuner Module as a standard accessory. Since each tuner module uses one source input on the audio controller, in some cases it may be desirable to remove the tuner module in order to use that source input for other purposes.

WARNING: Disconnect all power sources before opening the chassis. Failure to disconnect power before performing this installation may cause injury or death.

1. Remove the cover from the controller.
2. Carefully remove the ribbon cable from the tuner module.
3. Remove the screws from the Tuner module cover plate at the right top corner of the rear panel and slide the tuner module out of the chassis.
4. Place all jumpers in the "Off" position (FIG. 8).

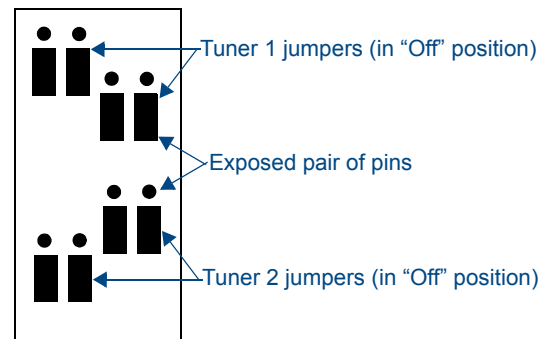


FIG. 8 Jumper Configuration - No Tuner installed

5. Replace the unit cover.

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