Pragmatic Tuner Manual

The tuner provides the highest quality reception and transmission of 125 co-axial cable TV channels and 68 UHF and VHF channels. An FM tuner and an MTS stereo decoder are available as options.

Available Outputs

- A standard composite video output (yellow RCA)
- Right and left stereo audio outputs (red & white RCAs)
- An optional S-video output -(This Tuner is equipped with the s-video option.)

Standard Features

- VHF/UHF broadcast TV tuner (channels 2 to 69)
- 125 channel cable tuner
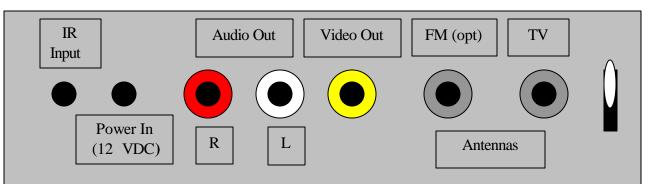- Infrared (IR) remote control

Optional Features

- FM Tuner
- MTS Stereo decoder
- S-video output

Important!!!

All connections should be made with the tuner power supply un-plugged!

Installation

1. Connect the cable TV or your UHF/VHF antenna to the "TV" input. There is a toggle switch on the far right-hand side of the back of the tuner; be sure it is switched to the proper setting! (Cable or UHF/VHF antenna)

2. Connect the audio/video RCA outputs to your destination equipment. (Plasma display, high-definition TV etc.)

3. Note: If the input is in mono, both left and right audio RCA will transmit the mono signal.

4. If you have the FM option, connect an FM antenna to the FM RF input connector.

5. Plug the IR detector module to IR input. Be sure module is facing the remote control line of sight infrared signal.

6. Plug in the power supply to the wall and to the power input (next to the red RCA audio output) on the tuner.

Back of the Tuner

Remote Setup

1. The remote will work as-is in its default setting that it comes with.
2. If you have a problem with the remote interfering with other Pragmatic remote controlled devices, you can set the remote to transmit on a different frequency. **This is called "switching the jumper"**.

Switching the Jumper

1. If you need to switch the jumper just press and hold the "Code Search" button on the remote until the red LED stays lit. (This will take the remote out of its operational mode so if you try to use it, it will not work until you finish these steps
2. Press the "Cable" button located near the top of the remote just below the "Code Search" button. This puts the remote in the mode necessary to switch the jumper.
3. Enter "029" by pressing those three digits on the numeric buttons. After you press the third digit, the LED will turn off and the remote will return to its operational mode.

Using a Learning Remote

If you want to control the tuner using a learning remote, such as the Marantz RC-2000 or similar, then follow that remote's instructions to transfer the control codes from the RCA remote to the learning remote.

Operation

TV Channel Selection

To select a TV channel, just enter the three digits, such as "027". The new channel number is then selected as soon as the second digit is entered. In cable mode, all channel numbers from 1 to 125 are valid; only 00 is invalid and will be ignored. In ANT mode, only channel number 2 to 69 are valid; invalid channel numbers are ignored. You can also enter the two digits TV channel and hit enter.

FM Frequency Selection

To switch from TV mode to FM mode, first press the "Enter" key, then enter in the 3 or 4 digit FM frequency, such as "965" for 96.5 or "1013" for 101.3 MHz. Note that the decimal point is not entered, since it doesn't exist on the remote. The valid frequency range is from 87.7 up to 107.9 MHz.

While in FM mode, it is not necessary to press the "Enter" key before the frequency; just enter in the new frequency to be selected. Of course, it doesn't make any difference if the "Enter" key is pressed first.

To change back from FM mode to TV mode, enter in the two-digit channel number, such as "12", then press the "Enter" key. The new TV channel is then selected. In other words, to select the FM mode, the "Enter" key is pressed **BEFORE** the frequency is entered, but to select the TV mode the "Enter" key is pressed AFTER the new channel number is entered.

Jumper Settings

JP5 – IRC/HRC selection

OPEN = IRC (default)
CLOSED = HRC

Most cable systems use "IRC" for the channel frequencies. Some cable systems use "GRC" for the channel frequencies.

JP6 – Code set selection

OPEN = TV code 000 (default)
CLOSED = Cable code 029

The tuner allows for one of two different IR code sets to be selected by this jumper setting. Select the best one for the application, and program the remote to match the selected code setting.

Note: The setting of JP6 has absolutely nothing to do with whether the tuner is receiving broadcast TV frequencies or cable frequencies; as those are controlled by the rear panel switch. The "TV" and "Cable" selections listed here refer to the mode setting on the RCA remote. In other words, it is entirely possible to have the rear panel switch set to "CATV" for the tuner to receive cable frequencies, but JP6 is left open so that the IR code set is controlled by the "TV" mode of the RCA remote, and the tuner will tune to all cable channels 1 to 125, as selected from the remote control.

Troubleshooting Hints

Symptom: No video or no Audio

Possible causes:

It has been our experience that almost all problems encountered are due to improper connections at either the input signals, or the output signals. Therefore, the first step is always to review all of the connections, and make sure that all input/output connections are correct, as well as making sure that all of the equipment has the proper power applied.

Symptom: IR control doesn't work

1. Check the batteries in the remote and to make sure the remote is set to the proper mode and that the proper device code has been selected.
2. Make sure that the detector module has been installed properly and is not being overwhelmed by florescent lights.