

Multisystem TV Tuner

- ID# 231



Operation Manual

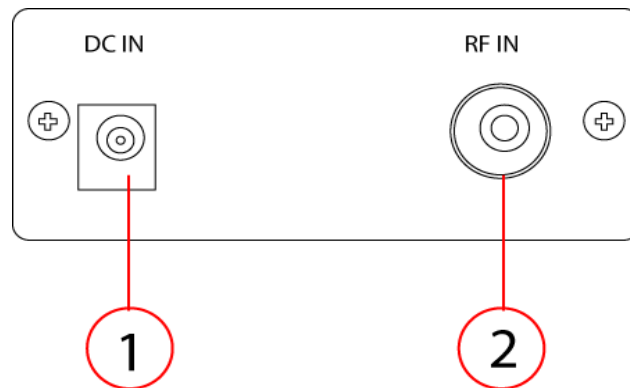
Introduction

This unit is a multisystem tuner that receives terrestrial and cable TV broadcasting systems of all PAL and SECAM countries.

Features

- Receive terrestrial and cable TV broadcasting systems of all PAL and SECAM countries.
- Full channels on TV/ CATV systems.
- Operates in 12V DC car voltage. Ideal for car video application.
- Two video outputs.
- Auto programming and channel memory.
- PLL frequency synthesizer and auto fine-tune ensures best receiving picture.
- Remote out connector allows you to place the IR sensor to anywhere you want it to be, whether in a car, a boat or in your home.

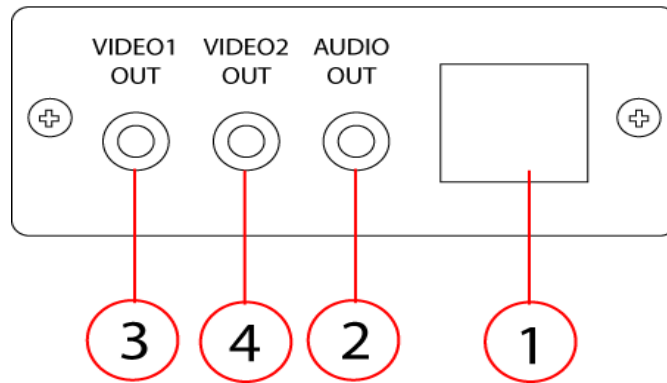
Operating Functions and Controls



Front Panel

- 1. RF In-** This is the RF Input port. Connect the port to your Antenna or Cable TV.
- 2. DC In-** DC 12V In. This is the DC Input port.
- 3. ACC-** If +ACC is used: When the +ACC wire is connected to the power, TV tuner is switched On. If +ACC is not used: Press and release the power button of remote control, this will have the same effect as the +ACC function (Turn On the tuner).

Rear Panel



1. **Remote Out-** Remote control infrared receive sensor.
2. **Audio Out-** This is the Audio Output port. Connect the port to your audio device using a RCA Jack.
3. **Video Out 1-** This is the Composite Video Output port 1. Connect the port to your device using a RCA Jack.
4. **Video Out 2-** This is the Composite Video Output port 2. Connect the port to your device using a RCA Jack.

Remote Control

1. **Power-** This button is used to switch between power On and standby.
2. **Display-** This button is used to display the channel status.
3. **Air/CATV-** This button is used to switch between terrestrial TV Systems and Cable TV channel systems.
4. **Input-** Press the button to control DC-out 12V.
5. **Auto scan-** This button allows you to scan the available channels and memorize them automatically.
6. **Return-** This button allows you to return to the previously selected channel.
7. **Channel ▲ ▼ -** This is the channel select button. You may select the channel through the up and down arrows.
8. **Fine tune ▲ ▼ -** “Fine Tuning” select up or down.
9. **Select ▲ ▼ -** This button allows you to select the aerial/cable system of your country.
10. **0~9-** This button allows you to directly select the channel.
11. **Sleep-** This button allows you to set a predetermined time for the unit to automatically turn off.
12. **Mute-** This button allows you to mute the sound output.
13. **CH Reset-** This button allows you to return to default.
14. **Menu-** Press this button to show all PAL and SECAM TV systems.
15. **Exit-** This button allows you to exit the selected menu.

Connection and Installation

The adaptor power unit should not be plugged into a wall outlet until all connections are complete.

- Connect the Video Output port (Number 3/4 on rear panel) and the Audio Output port (Number 2 on the rear panel) to your TV.
- Connect your antenna or cable TV to the RF Input port (Number 1 on the front panel).

Once all connections are complete please connect the power supply provided to the power socket.

Specifications

Inputs

- RF In
- DC In- 12V
- ACC
- Ground

Outputs

- Remote Out
- Audio out- 350mV rms 47kohm RCA Jack
- Video Out 2- 1Vp-p 75ohm RCA Jack
- Video Out 1- 1Vp-p 75ohm RCA Jack