

# Audiopipe

## RFM300

### User Guide and Product Data Sheet

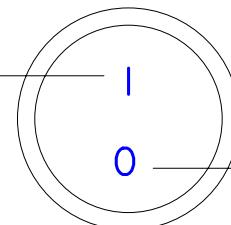
The Audiopipe RFM300 is a two-channel stereo FM modulation with selectable FM frequencies, variable gain, and a remote on/off switch. It allows the addition of auxiliary audio sources to any FM radio (even those lacking auxiliary inputs). It can be used with DVD players, videocassette players, MP3 players, and more.

#### To use the RFM300:

- 1) Turn the On/Off switch to the On position (This is the position with the "I" icon).
- 2) Turn on the radio and select the FM band. Turn in either 88.7 or 89.1 (your installer can advise you which frequency setting is being used in your installation). Once you determine the correct frequency, it is a good idea to store the frequency using one of your radio's preset keys.
- 3) Turn on the auxiliary audio source (VCR, DVD, MP3 players, etc.) and begin playback. The sound from the source unit should now be audible over your speakers.
- 4) To return to standard radio use, turn the On/Off switch to the Off position (this is the position with the "0" icon).

#### On/Off Switch

On position



Off position

#### Specifications:

Operating Voltage: 14.4V DC Nom.  
(Operating Range 10.8 to 15.6V DC)

Max. Current Consumption: 200mA

Operating Frequencies: 88.7, 89.1 FM  
Fuse rating (in Fuse/Filter box): 2A AGC

#### Parts List:

- (1) FM Modulator Main Unit with integrated harness.
- (2) On/Off Switch with integrated harness.

## Installation:

### 1. Find a suitable location for the On/Off switch

Be sure that is within easy reach of the driver and can be operated safely from the seated position.

NOTE: The On/Off switch requires a flat surface at least 3/4" in diameter for mounting, with 1" rear clearance. The switch is provided with 36" of wire take this into account when selecting a location or you will have to extend the switch wires.

### 2. Connect the RCA inputs to the audio source.

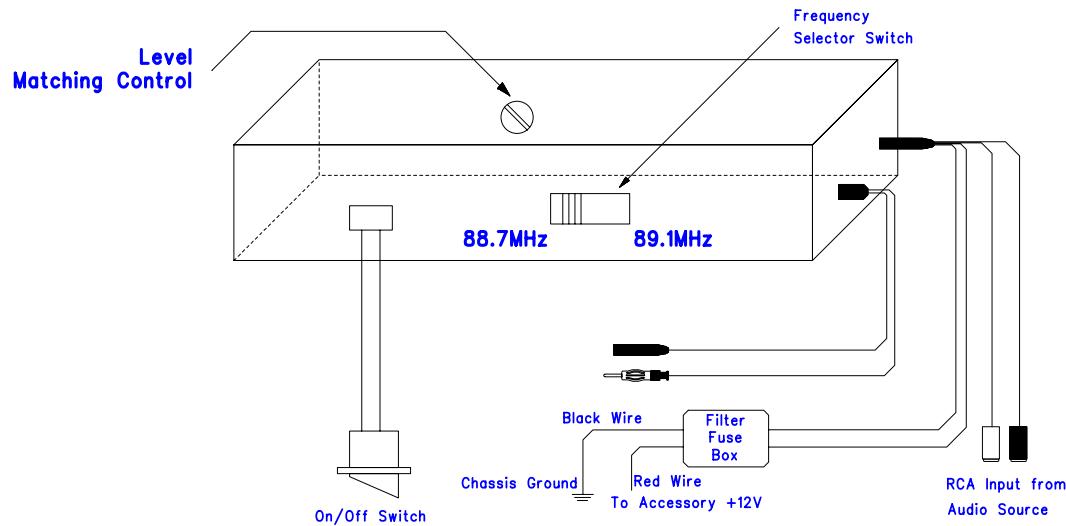
### 3. Connect the male antenna connector to the car radio's FM antenna input, and the female connector to the car antenna.

NOTE: Some vehicles may require antenna adapters (sold separately).

### 4. Connect the black wire to chassis ground.

### 5. Connect the Red wire to accessory +12V.

NOTE: Connecting to accessory +12V will ensure that the FM modulator turns off when the ignition is turned off. Connecting this wire to +12 Constant may cause battery drain issues, and is not recommended.



## Set-up and Testing

1. Set the frequency Select switch to either 88.7 or 89.1. If a local radio station uses the first frequency selected, use the other frequency.
2. Switch the On/Off switch to On (the "I" position).
3. Turn on the car radio and turn to the frequency selected in Step 1.
4. Turn on the audio source connected to the FM Modulator. This audio source should now be heard over the vehicle speakers.
5. Set the level matching control so that volume level over the speakers is the same as when listening to radio stations. If loud passages sound distorted, lower the Level Matching Control setting.

**FCC NOTE:**

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

APPLICANT: FSA Electronics Co., Ltd.  
FCC ID: UGRFSARFM001