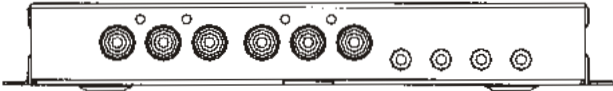
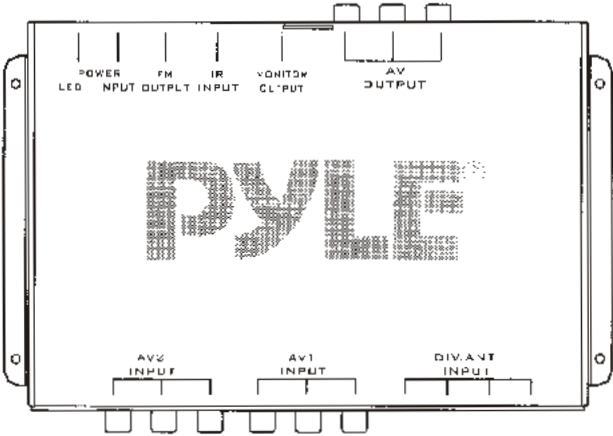
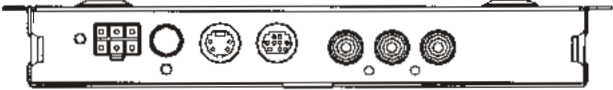


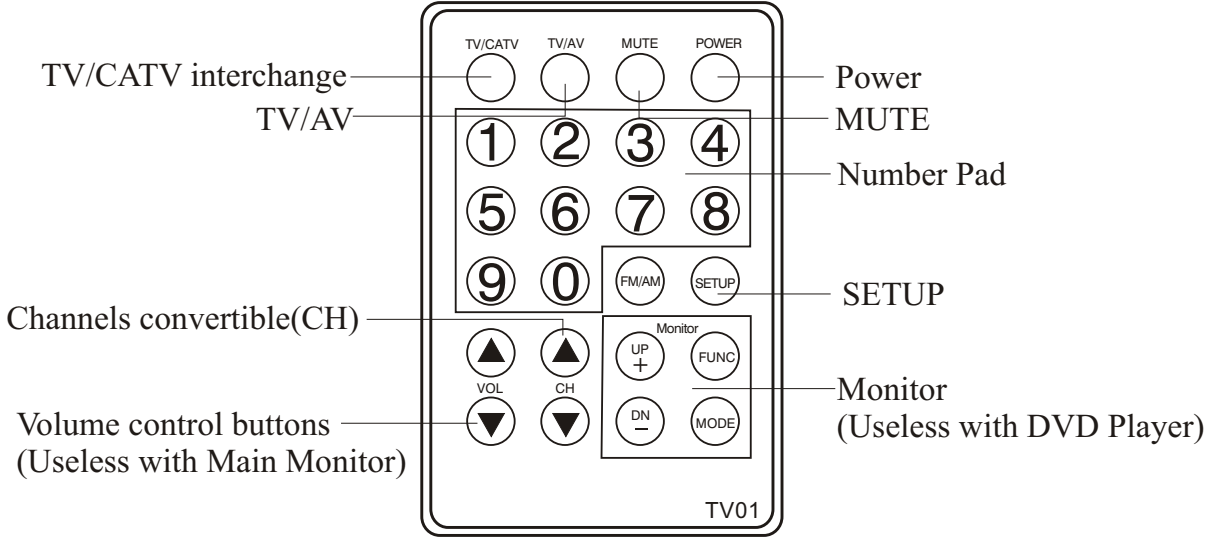


# TV TUNER BOX

*System features and controls:*



**Remote control functions**



## Tuner Installation and electrical connections

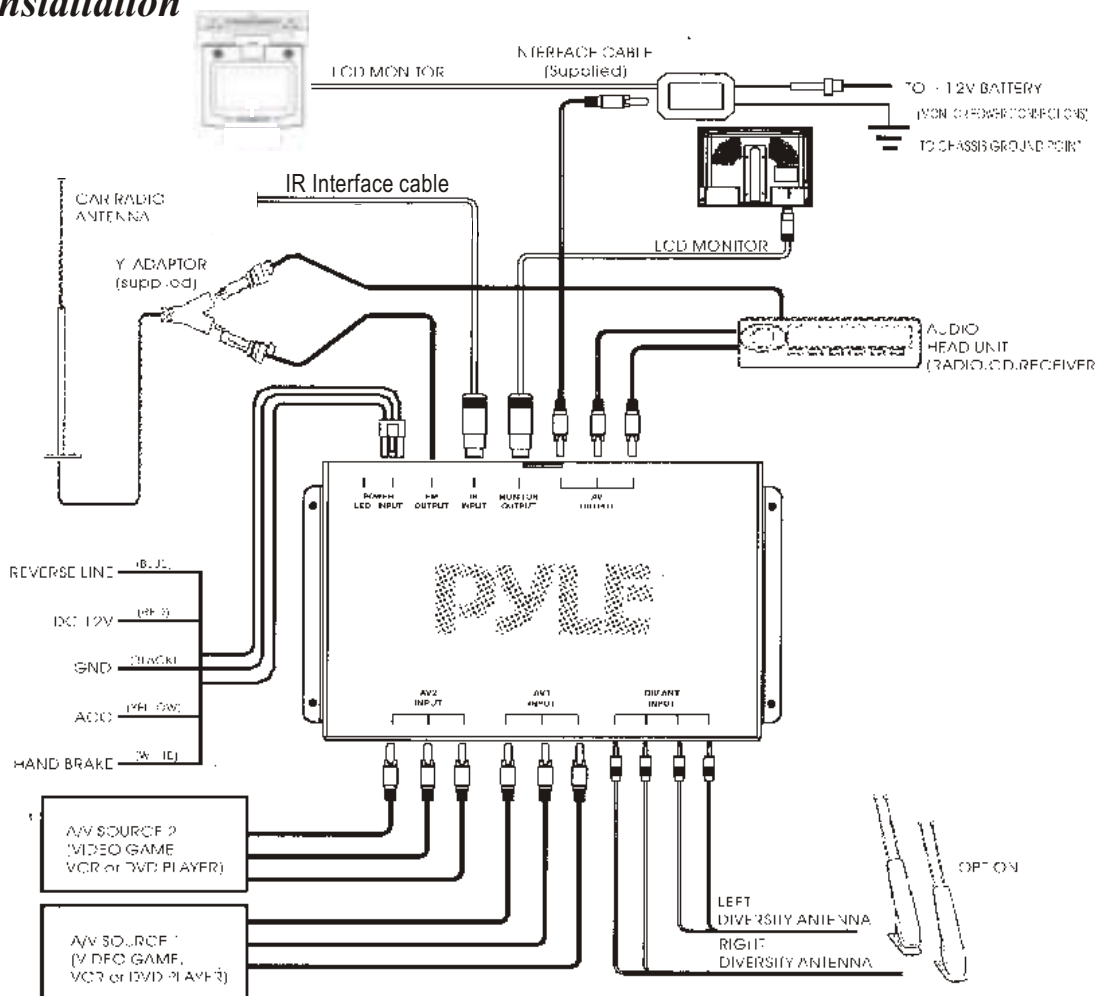
1. Find a suitable location for the tuner unit and mount it securely in place. Be sure to place it in an area away from moisture and dirt, and where incoming cables will not be walked on or pulled accidentally.
2. Make all required audio, video and power connections to the appropriate connectors on the tuner as indicated in the drawing below to suit your system installation. Install the infrared remote eye in a location you know will be Installation in line-of-sight with the remote control use location

Please note that the drawing below describes connections for all system possibilities and your particular system may vary from this.

For example, if your car radio lacks AUX line level input jacks, you will be unable use the A/V VIDEO OUT jacks to provide audio. In this case, you can take advantage of the built-in FM transmitter in the tuner box which will broadcast the audio to your car radio instead.

You may chose to use just the car radio antenna, just the diversity antenna system, or both. Similarly, you system may include one A/V input source or two. You may or may not have an additional viewing monitor.

### Installation



## ***Operating your system in a safe and legal manner***

When operating a motor vehicle, it should always be your highest priority to maintain safe driving habits.

It is illegal in many areas of the country to drive with the TV or monitor turned on, when it is visible to the driver. Please check your local and state laws governing the use of Mobile Entertainment systems in your use area.

If you have installed the monitor in a position where it is visible to the driver, be sure to install the Safety Cord (included with this system). Wire the cord to an Accessory wire which has + 12V power when the ignition is switched on. This will prevent the operation of the TV or monitor when the ignition is on.

If you do not know how to install this Safety Cord, please consult with a mobile video installer in your area and have it done properly prior to using the system.

## ***Using the diversity antennas***

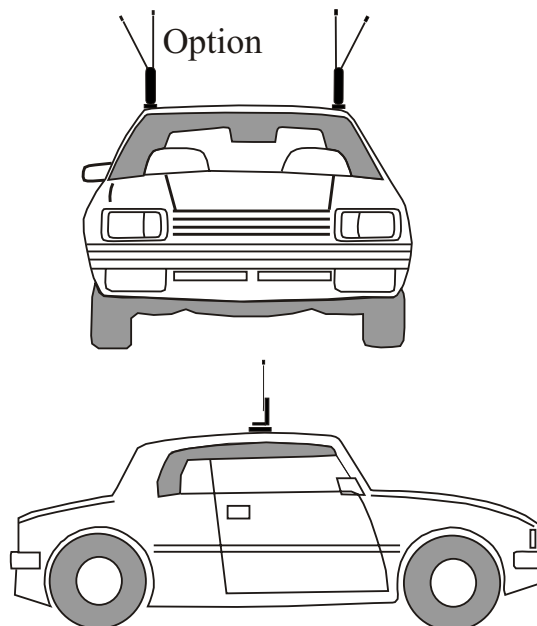
To attach firmly to your car's exterior. These magnets have a rubber coating to permit secure mounting without risk of damaging your car's finish.

The ideal placement for your antennas is on the vehicle's roof. Use the picture below as a rough guideline for installation; yours may vary due to the shape of your car. Note that the antenna module contains one antenna in a fixed position and one which may be adjusted.

Place one antenna on the right edge of the roof of your car at about the midpoint of the length of the roof. Orient the antenna so that the fixed antenna is closer to the centerline of the vehicle. Now adjust the repositionable portion of the antenna so that there is about a 15 degree angle between it and the fixed antenna portion.

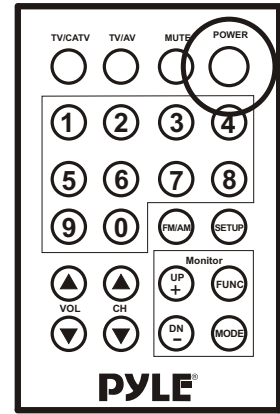
Repeat this procedure with the other antenna module, again with the fixed antenna closer to the centerline of the vehicle.

Plug the jacks at the ends of the cables from the antennas into the antenna jacks on the tuner according to the diagram shown on page 2 of this manual. The diversity antennas provided with your system use powerful magnets option.



## Powering up the system

1. Press and hold the POWER On/Off button on the remote until the green LED on the front of the monitor is illuminated. The On Screen Display will show the position of the system at the time it was last turned off (for example, if you were watching CATV Channel 38 when you last turned the power off, the system will display "CATV CH 38").
2. Turn off the system by pressing the POWER On/Off button on the remote. The screen will go dark and the green LED will go out; the tuner unit will be in STANDBY mode.

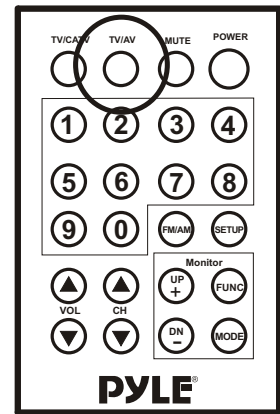


## Selecting the input Mode

Your Video Tuner can switch between four different video sources using the remote control. These modes are as follows; TV Mode: for receiving TV Channels 2-69  
CATV Mode: for receiving satellite dish, Cable or other broadcast source video

AV1: External audio and video inputs for DVD, VCR or video game

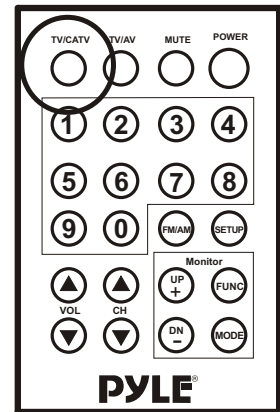
AV2: External audio and video inputs for DVD, VCR or video game



## Programming Channels for TV/CATV

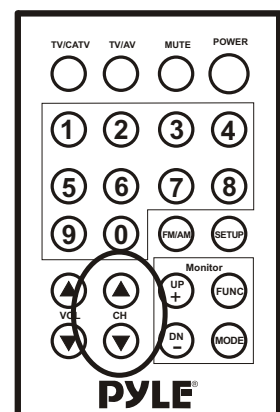
The tuner system can memorize channels in both TV (VHF and UHF) mode and CATV mode in two independent memory sections. To memorize channels in either mode, press the AUTO PROG button on the remote—the tuner will begin scanning all of the available channels and put them into memory. During this programming cycle, the screen will display "AUTO" in the upper left corner.

If you wish to interrupt the auto programming mode, press the Channel button. Interrupting in this manner is not recommended, however, because it will not program all channels properly.



## Selecting Channels

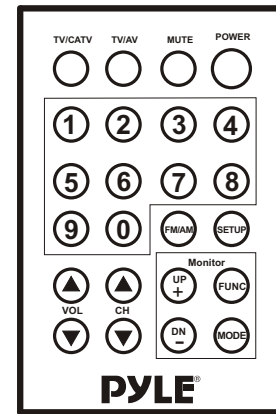
Use the Channel ▲ and ▼ buttons for selecting channels. If the unit has been auto programmed, the ▲ and ▼ buttons will step up or down through only the memorized channels. Pressing and holding the ▲ or ▼ buttons in the CATV mode will cause the unit to step automatically through all available channels until the Button is released; pressing and holding these buttons in TV mode will cause the tuner to "seek" any air channel which can be received.



## *Adjusting the sound*

The tuner system permits you to adjust many viewing parameters easily. These are:

**Audio Mute:** Pressing the MUTE button will disable the audio output, and will display "MUTE" on the upper right corner of the monitor screen. To cancel the muting function, press MUTE again.



Please note that if you are using FM Modulation to provide audio signal from the tuner to your car radio, applying the mute function will also mute the audio portion of the signal delivered by the transmitter but not the tuner's output carrier signal. This may result in noise on your car radio.

## *Providing A/V audio to your car radio*

This system offers you two ways of playing the A/V audio through your car radio system. If your radio has AUX line-level inputs, you can attach the A/V Audio output connectors to these inputs with RCA-RCA interconnect cables.

If your car radio lacks these AUX line level inputs, your other option is to use the tuner's audio transmission ability (described in the next paragraph) to broadcast the audio signal within your car directly to the radio via FM modulation.

## *Transmitting audio to your car radio*

This tuner system is able to transmit the audio signal to your car radio in the FM radio spectrum. By tuning your radio to a corresponding channel, you can listen to the audio from your program source. This function is particularly important when installing in a car whose radio lacks AUX line level inputs.

To use this system tune your car radio from FM 88.1 to FM 99.9 for 20 channels the on you're A/V audio source.

You should be able to hear your AV audio broadcast through your car radio system. If you do not, go back into the Fm CHANNEL mode of the menu system and select FM 88.1 MHz to FM 91.9 MHz by channel step 0.2 MHz,,and exit the menu system.

To stop broadcasting your Video sound thru your car radio, tune the FM Band to any other channel or enter the menu system and select OFF in the FM CHANNEL submenu.

## *Specifications*

- |                        |  |
|------------------------|--|
| 1. Signal system       | NTSC   |
| 2. Audio/Video Inputs  | Audio R/L x2, Video x 2  |
| 3. Audio/Video Outputs | Audio R/L x2, Video x 1  |
| 4. FM Modulator        | 20 Channels: FM 88.1 MHz to FM 91.9 MHz<br>By channel step 0.2 MHz |
| 5. TV Channel          | Channels 2~125   |