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or visit www.terk.com.**

**For more information about XM Satellite Radio service, visit www.xmradio.com or call
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SMART DIGITAL ADAPTER

Installation Guide



XMDALP100
Smart Digital Adapter for Alpine Car Stereos

TERK®

Introduction

Smart Digital Adapter

Thank you for purchasing the TERK Smart Digital Adapter for XM ready Alpine car stereo head units. This product must be used in conjunction with the XM Universal Tuner Box (part # XMD1000) sold separately. The Smart Digital Adapter for Alpine allows you to adapt a satellite radio ready car stereo to receive XM Satellite Radio service.

Important Note::

The TERK Smart Digital Adapter for Alpine car stereo head units is compatible with most Alpine head units displaying the ((XM)) logo. For a complete compatibility list go online to TERK.com/XMDirect

The XMDALP100 is easy to install plugging directly into the XMD1000 and the Alpine car stereo head unit*. No splicing or cutting of existing wiring within the vehicle is required. The illustration below shows the complete installation of the XM Direct system, including the XMDALP100 and the XMD1000 into your Alpine car stereo head unit.

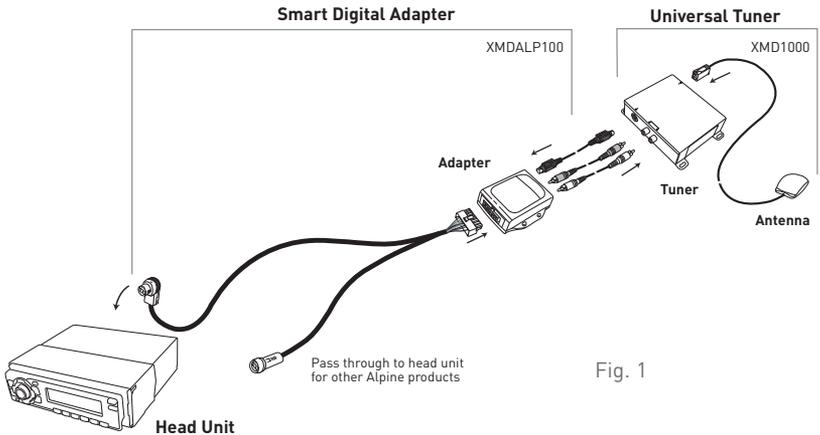


Fig. 1

*IT IS RECOMMENDED THAT A PROFESSIONAL INSTALLER INSTALLS THE XM DIRECT SYSTEM (XMDALP100 AND XMD1000).

Installation Overview

Installation Basics::

When choosing a location to mount the components, care must be taken not to interfere with any of the vehicles existing systems. Good installation practices should be observed when mounting components to avoid any vibration, movement or rattling after installation. When routing the cables avoid blocked passages and any obstructions that could kink, crimp, twist, or chafe the cables. Components should be secured in place with methods such as Velcro, double stick foam tape, screws and nuts, cable ties etc. All mounting hardware and methods are at the discretion of the installer. Cables should also be secured in place to avoid movement. Care should be taken not to crimp any of the cables when installing them. And special care should be taken not to route cables on or near sharp edges that could eventually cut into the jacket of the cable.

Installation Planning::

The XMDALP100 should be located within 2-3 feet of the XMD1000 due to the cable lengths. The antenna should be located in an area to insure the cable will reach the tuner location. Check this prior to installation. The installation guide supplied with your XM Universal Tuner and bundled antenna has additional information on antenna location and installation.

Installation

Smart Digital Adapter

Prior to installation, locate the area where the XM Universal Tuner Box is installed. Make sure you have followed the location requirements for the XM Universal Tuner prior to installing the Alpine Smart Digital Adapter.

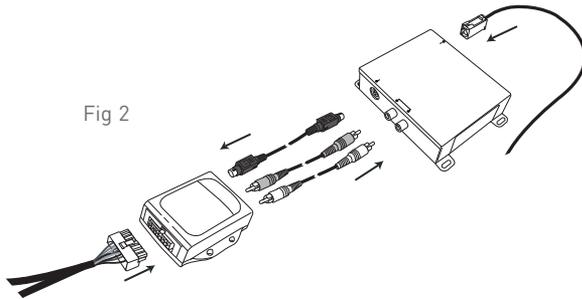
Step 1

Remove the Alpine car stereo head unit from your dash board.

Important: Depending on how your Alpine head unit was installed you may have to remove part or all of your dash board to remove the head unit before the Alpine head unit can be pulled out. You may also have to remove screws to complete this step.

Step 2

Connect the red and white audio cables into the red and white connectors on the XM tuner box (XMD1000) as well as the black cable with straight connector. Plug the other end of these three cables into the top of the Alpine smart digital adapter as shown in Fig 2.



Note: Make sure all cables are connected securely.

Step 3

Connect the remaining cable with the white rectangle connector into the bottom of the XMDALP100 as shown in Fig 2.

Step 4

Take the end of the cable with the right angle connector and plug it into the back of the Alpine head unit as shown in Fig 3. The other end of the cable coming from the white rectangle connector is a pass through cable that can be used to connect other Alpine products to your Alpine head unit, i.e. CD changer.

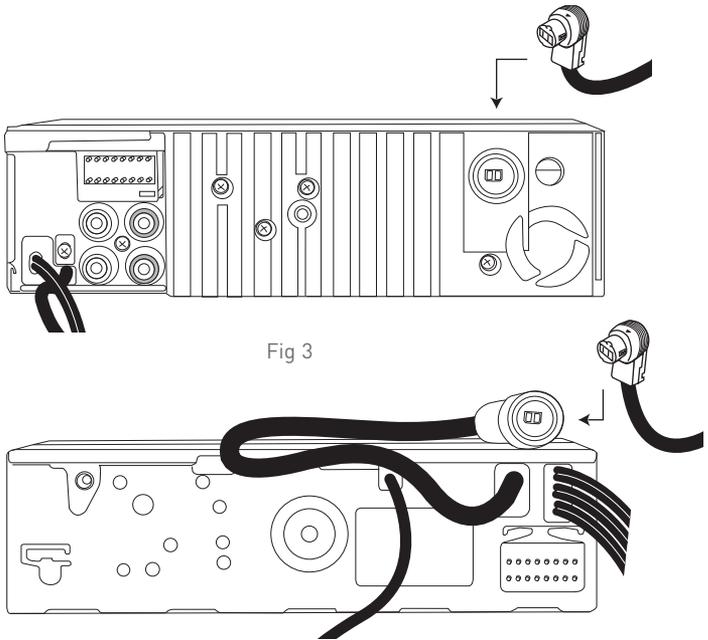


Fig 3

Note: The location of the connections on the Alpine head unit may vary depending on the Alpine model.

Step 5

Start your car and turn on your Alpine head unit to confirm that the XM Direct system is properly connected. When you tune to XM channel 1, you should see "XM Preview" on your Alpine head unit LCD, and hear that channel through your car speakers. If not, check to make sure all connections are correct or refer to the trouble shooting section of this installation guide.

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Step 6

Mount and secure the XMDALP100 in a suitable location that will not interfere with the radio and will not vibrate or rattle after installation.

Installation (continued)

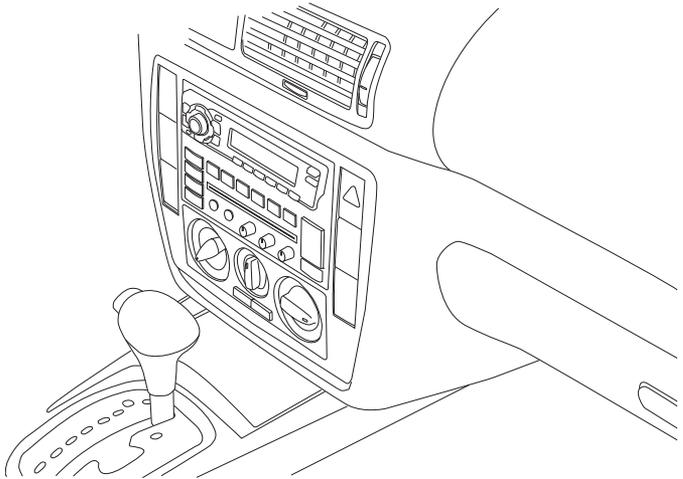
Step 7

Return the Alpine car stereo head unit back to its original location in the dash board, be careful with cables that you just installed so that they do not unplug or get kinked by the head unit.

Note: If you had removed screws to pull the Alpine car stereo head unit out please screw those back in.

Step 8

If you had removed the dash board during installation please return it back to its original location.



Completing Activation::

Now that your XM Direct system has been installed your XM Universal Tuner will need to be activated. Tune your Alpine car stereo head unit to the XM Preview Channel, channel 1 and follow instructions for activation. You can also go on-line at XMradio.com or call the toll free XM activation number at 1-800-852-9696.

XM SATELLITE RADIO OPERATION

Please refer to the XM Radio Operation section of your Alpine owners manual.

Troubleshooting

ANTENNA

The XM antenna is not connected to the XM tuner.

- Check whether the XM antenna cable is attached securely.

UPDATING

Radio is being updated with latest encryption code.

- Wait until encryption code has updated. Channels 0 and 1 should function normally.

NO SIGNAL

XM signal is too weak or blocked at the current location.

- Wait until the car reaches a location with a stronger signal
or
- Wait until the car is in an area that has a clear view of the open sky.

LOADING

Radio is acquiring audio or program information.

- Wait until the radio has received the information.

OFF AIR

The channel currently selected has stopped broadcasting.

- Select another channel.

“----” or “-----”

The user has selected a Channel Number that does not exist or is not subscribed to.

- The unit will revert back to the previously selected channel.
or

There is no artist name/feature, song/program title, or additional information associated with the channel at that time.

- No action needed.