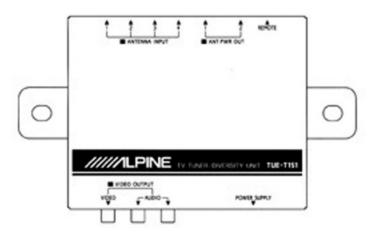


TUE-T151

TV Tuner / Diversity Unit OWNER'S MANUAL







It is dangerous and illegal for the driver to watch the TV/Video while driving the vehicle. The driver may be distracted from looking ahead and an accident could occur.

Caution

- Read this manual thoroughly before starting installation and operation. You will find a number of Safety Warnings in this
 manual to tell you about things that could hurt you or other people if you were to ignore the Warnings. We cannot be
 responsible for problems resulting from failure to observe the Warnings in this manual.
- This manual uses a symbol to show how to use this product safely and to avoid harm to yourself and others and damage to your property. Here is what this symbol means. Understanding it is important for reading the Manual.
- · Meaning of Symbol:



WARNING

This symbol means there is something that could cause serious injury or death to you or other people.

DO NOT DISASSEMBLE OR ALTER

Attempts to disassemble or alter this product can lead to accidental fires or electrical shock.

KEEP SMALL ARTICLES OUT OF THE REACH OF CHILDREN

Keep small articles (wire-ties, etc.) out of reach of children. If swallowed, consult a physician immediately.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND

Use only in cars with a 12 volt negative (-) ground electrical system. (Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL

Before doing any electrical wiring, disconnect the cable from the negative (-) terminal of the battery. Failure to do so may result in electric shock or injury due to electrical shorts.

KEEP ELECTRICAL CABLES TOGETHER TO AVOID OPERATING HAZARDS

Dress the wiring to keep them from interfering with the operation of the steering wheel, gear lever, brake pedals, etc.

DO NOT CUT AWAY INSULATION FROM ANY WIRE TO POWER OTHER EQUIPMENT

Tapping power from wiring to supply voltage to another piece of equipment could exceed the current carrying capacity of that wire. This could result in fire or electric shock.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION

Do not install in locations which might create hazards for the vehicle occupants or hinder vehicle operation (such as the steering wheel or gear shift) by obstructing forward vision or hampering movement etc.

DO NOT DAMAGE PIPES OR WIRING WHEN DRILLING HOLES

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE NUTS OR BOLTS IN THE BRAKE SYSTEM FOR INSTALLATION OR GROUND CONNECTIONS

Never use safety-related parts such as bolts or nuts in the steering or brake systems or tanks to make wiring installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS

When problems appear, stop using the system immediately and contact the dealer from whom you purchased the equipment. Some problems which may warrant immediate attention include a lack of sound, noxious odors or smoke being emitted from the unit, or foreign objects dropped inside the unit.

DO NOT OPERATE THE EQUIPMENT OR LOOK AT THE SCREEN WHILE DRIVING

Do not change settings while driving. If operation requiring a prolonged view of the display is required, stop the vehicle in a safe location before attempting operation.

DO NOT INSTALL THE MONITOR NEAR THE PASSENGER SEAT AIR BAG

Ensure that the location chosen for the monitor does not interfere with the operation of the passenger seat air bag. This will prevent the triggered air bag from launching the display towards passengers, possible causing injury.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this unit to have the work done.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may cause smoke or fire.

MAKE THE CORRECT CONNECTIONS

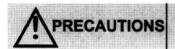
Failure to make the correct connections can cause fire or accident to occur.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED

Route the cables and wiring so as not to be crimped by moving parts like seat rails or to make contact with sharp spots which could damage the wiring.

DO NOT RAISE THE VOLUME EXCESSIVELY

Keep the volume at a level where you can still hear outside noises while driving. Driving while unable to hear outside sounds could cause an accident.



This symbol means important instructions. Failure to heed them can result in injury or material property damage.

Temperature

Be sure the temperature inside the vehicle is between +60°C (+140°F) and -10°C (+14°F) before turning your unit on.

Fuse Replacement

When replacing the fuse(s), the replacement must be of the same amperage as shown on the fuse holder. If the fuse(s) blows more than once, carefully check all electrical connections for shorted circuitry. Also have your vehicle's voltage regulator checked.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Installation Location

Make sure the TUE-T151 will not be exposed to:

- · Direct sun and heat
- · High humidity
- Excessive dust
- · Excessive vibrations

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FEATURES/DESCRIPTION

The Alpine TUE-T151 is a compact TV Tuner, designed for very simple operation. Yet, the tuner utilizes a sophisticated, 4-Channel, switching diversity system with 4 amplified antenna. This system ensures the best possible reception under the worst possible conditions.



WARNING

It is dangerous and illegal for the driver to watch TV/Video while driving any vehicle. The driver may be distracted from looking ahead and an accident could occur.

Features:

- Broadcast TV Input: VHF (2 13), UHF (14 69); NTSC System, U.S. only
- Amplified, 4-Channel Diversity Antenna
- Infrared Wireless Remote Control (RUE-4154)
- Auto-Scan for Presetting Receivable Channel
- Preset Cahnnel Up/Down
- Manual or Seek Channel Up/Down
- On Screen Display
- Touch Panel Control Ready*1
- Dual IR Remote Signal Inputs^{*2}
- Last Status Memory*3

NOTES

*1 Touch Panel Control Ready

TUE-T151 can be controlled by Alpine Touch Panel products.

*2 Dual Remote Signal Inputs

TUE-T151 has the following remote inputs:

- White-Brown Wire = Remote signal can directly be connected from any Alpine monitor products that have buit-in remote eye.
- 2.5ø mini-jack for KWE-500E: External Remote Eye (KRE-500E) that is sold separately for use with other branded monitors.

*3 Last Status Memory

The TUE-T51 always keeps the unit status and any contents of its memory, even when no power is supplied. Therefore, the unit will resume the last status when power is reconnected.

CAUTION - TV Tuner Performance

TV picture quality in the mobile environment is affected by the movement of the vehicle and other reception conditions not found in the home. TV reception is also affected by the antenna used, type of car, installation, location and more.

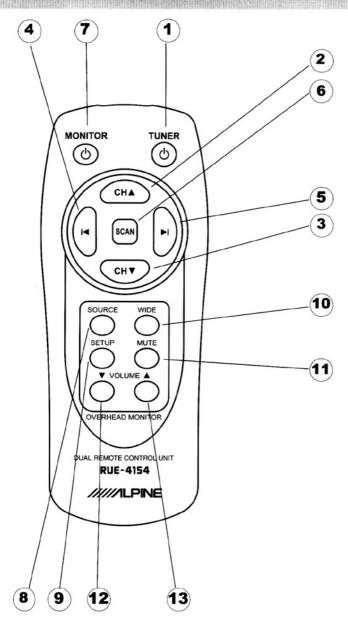
This product utilizes a 4-Channel diversity antenna system designed especially for

This product utilizes a 4-Channel diversity antenna system designed especially for in car use. Some performance increase may be realized by upgrading the antenna from any other third-party supplier.

Under the following conditions, the image quality may be impaired.

- Between buildings or other large structures, mountains, valley or canyons
- Near high-voltage wires or neon signs
- · A passing automobile, motor bike, train, or plane
- Near the transmission antenna of a radio station or an amateur radio station, or when a wireless device is being used in the vehicle
- Large distance from the broadcast antenna
- A car with a rear defroster or window tint film can limit the signal reaching the antenna. Check the condition of the windows to enusre the antenna receives the highest signal possible.
- The antenna supplied with this tuner is for use inside the vehicle only. It is
 possible, an antenna designed for mounting outside the vehicle could improve
 reception.
- · The fan, electrical system or other vehicle functions can affect TV 4.

DESCRIPTION - Remote Control



TV Tuner Functions (TUE-T151)

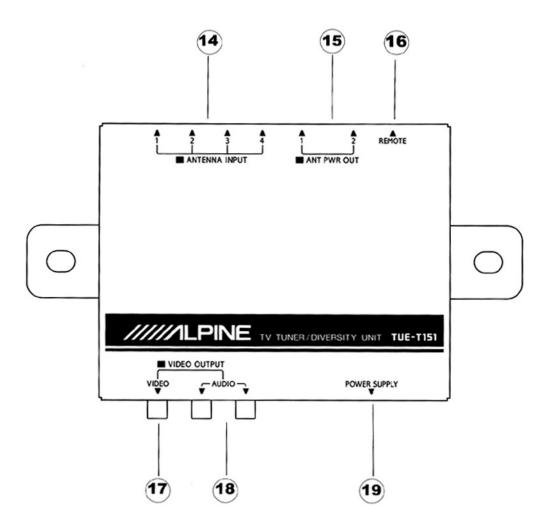
- 1 TV Tuner POWER
- 2 Preset CH (UP)
- 3 Preset CH (DOWN)
- 4 Manual/SEEK CH (UP)
- 5 Manual/SEEK CH (DOWN)
- 6 SCAN (Auto Program)

Overhead Monitor Functions

- 7 MONITOR POWER
- 8 SOURCE
- 9 SETUP
- 10 WIDE
- 11 MUTE
- 12 VOL DN
- 13 VOL UP

Please see TMX Series Owner s Manual

DESCRIPTION - TV Tuner



TV Tuner Connections

- 14 Antenna Input
- 15 Antenna Power Output
- 16 Remote Eye Input
- 17 Video Output
- 18 Audio Output
- 19 Power Connector

OPERATION - TV Tuner Control

TUNER POWER Key

Press TUNER POWER button on the remote control unit, TV power turns on. Press TUNER POWER button again, TV power turns off.

2. PRESET CH UP Key

Press Channel Up to receive the next Preset channel stored using the SCAN function.

3. PRESET CH DOWN Key

Press Channel Down to receive the next Preset channel stored using the SCAN function.

4. MANUAL/SEEK DOWN Key

Press:

Channel moves DOWN one by one.

Press and Hold:

Channel Seek will start by pressing and holding

the key for at least 2 seconds.

Seek stops at the next available CH. If no available CH of reasonable signal strength is found,

seek will stop after all CHs are checked.

MANUAL/SEEK UP Key

Press:

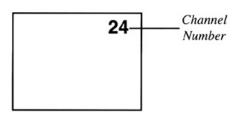
Channel moves UP one by one.

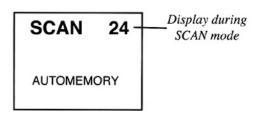
Press and Hold: Channel Seek will start by pressing and holding

the key for at least 2 seconds.

The seek will stop when next higher available CH is found. If no available CH is found, the

seek will stop after all CH is checked.





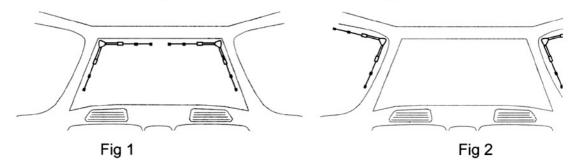
6. SCAN Key

SCAN memorizes only receivable channels (CHs) in the entire TV broadcast band.

ANTENNA INSTALLATION

Proper Location

- Mount the antenna inside the rear window of the car.
- For optimum reception, mount the antenna with the angle between the elements facing down.(Fig 1 or Fig 2)
- Leave a minimum of a 1-inch gap between the antenna and the edge of the window.
- The location selected should not impair the driver"s view.
- Do not mount near an existing antenna.
- Be certain that there is enough cable to reach the unit.
- Trial fit the antenna do not remove protective paper from booster or the antenna elements. Verify satisfactory operation before mounting permanently.



Wiring the Antenna

- Install the 4 antenna plugs and the 2 power plugs into the TV tuner.
- Prior to the final installation, temporarily connect the wires to make sure that all connections are made properly and that the system works properly.

Caution while Installing the Antenna

- Install on a clean, dry glass surface. Moisture inhibits proper adhesion of the tape.
- Low temperature decreases adhesion. Install while above 68° Fahrenheit.
- Do not touch the adhesive part of the tape.
- Do not run the antenna cables next to power or speaker leads. Noise problems can occur.

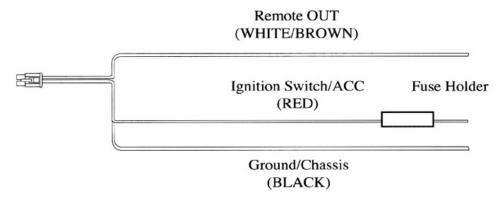
Installing the Antenna

- Thoroughly clean and dry the glass with a clean cloth and glass cleaner.
- Be certain temperature of the glass is above 68 degrees Fahrenheit.
- Remove the protective tape and mount the booster section.
- Remove the protective tape and mount the antenna elements.
- Make certain the antennas are securely installed by using antenna holders provided.
- Place the protective seal on the outside of the window to hide the bottom of the booster amp.

Note

- 1. Protect the wiring by wrapping adhesive tape around exposed areas.
- 2. Antenna wires should not come in contact with moving parts, high temperatures or sharp edges.
- 3. Do not install in areas that may become wet or damp. Failure to do so may result in fire or electrical shock.

WIRING/CONNECTIONS



Cable Color

Remote Output

The Remote Output wire connects to any ALPINE Mobile Video product which has an external remote input function. For example, products such as a DVD and VCR.

Ground (GND)

Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using a sheet metal screw.

Ignition/ACC

This is a switched +12V for the main unit. It will be powered when the Ignition key position is ACC.

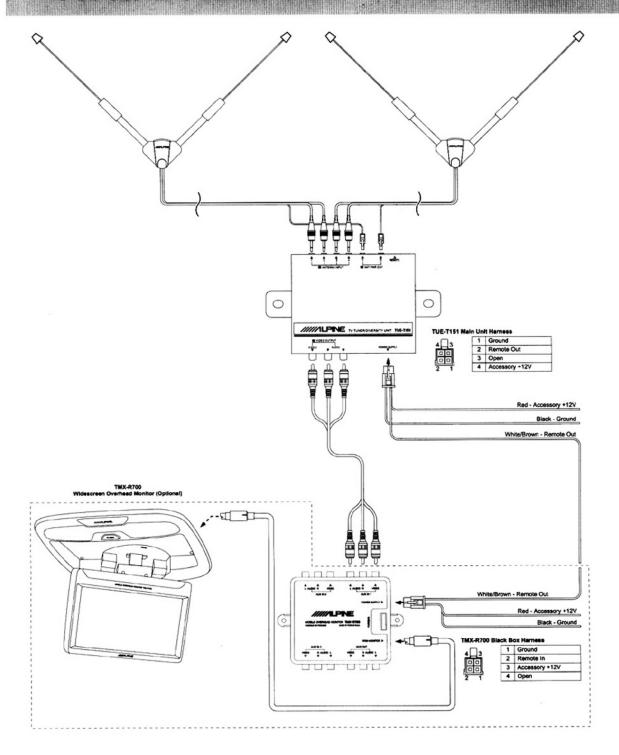
SPECIFICATIONS

Television system Channel coverage	4-Channel diversity (75Ω, 3.5ø mini-jack)
Remote control range	
	45 x 115 x 24 mm (1.8 x 4.5 x 0.94 in.) 45 g/1.6 oz (without batteries)
Accessories	
	x 1
	x 2 pr
	x 1
	x2
	x 6
· · ·	x 1
warranty Card/Customer Registration	n Card x 1 ea

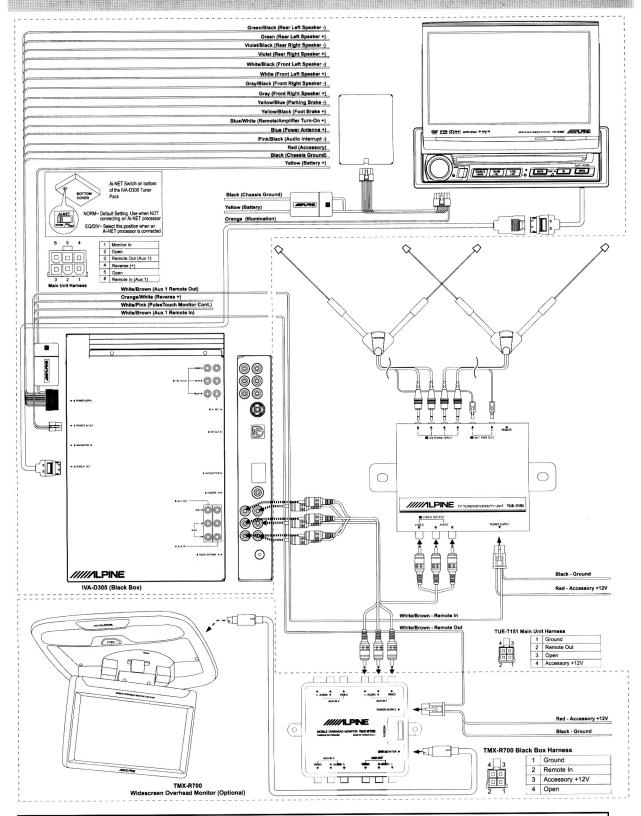
NOTES:

Due to continuous product improvements, specifications and design are subject to change without notice.

TYPICAL OVERHEAD MONITOR SYSTEM



TYPICAL REAR SEAT MONITOR SYSTEM





It is dangerous and illegal for the driver to watch the TV/Video while driving the vehicle. The driver may be distracted from looking ahead and an accident could occur.



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