



EN

TUE-T152

TV TUNER/DIVERSITY UNIT

DE

- **OWNER'S MANUAL**
Please read before using this equipment.
- **BEDIENUNGSANLEITUNG**
Lesen Sie diese Bedienungsanleitung bitte vor Gebrauch des Gerätes.
- **MODE D'EMPLOI**
Veuillez lire avant d'utiliser cet appareil.
- **MANUAL DE OPERACIÓN**
Léalo antes de utilizar este equipo.
- **ISTRUZIONI PER L'USO**
Si prega di leggere prima di utilizzare l'attrezzatura.
- **ANVÄNDARHANDLEDNING**
Innan du använder utrustningen bör du läsa igenom denna användarhandledning.

FR

ES

IT

ALPINE ELECTRONICS, INC.
Tokyo office: 1-1-8 Nishi Gotanda,
Shinagawa-ku,
Tokyo 141-8501, Japan
Tel.: (03) 3494-1101

ALPINE ELECTRONICS OF AMERICA, INC.
19145 Gramercy Place, Torrance,
California 90501, U.S.A.
Tel.: 1-800-ALPINE-1 (1-800-257-4631)

ALPINE ELECTRONICS OF CANADA, INC.
Suite 203, 7300 Warden Ave. Markham,
Ontario L3R 9Z6, Canada
Tel.: 1-800-ALPINE-1 (1-800-257-4631)

ALPINE ELECTRONICS OF AUSTRALIA PTY. LTD.
6-8 Fiveways Boulevard Keysborough,
Victoria 3173, Australia
Tel.: (03) 9769-0000

ALPINE ELECTRONICS GmbH
Kreuzerkamp 7-11 40878 Ratingen, Germany
Tel.: 02102-45 50

ALPINE ITALIA S.p.A.
Via C. Colombo 8, 20090 Trezzano Sul Naviglio
MI, Italy
Tel.: 02-48 47 81

ALPINE ELECTRONICS FRANCE S.A.R.L.
(RCS PONTOISE B 338 101 280)
98, Rue De La Belle Etoile, Z.I. Paris Nord II
B.P. 50016 F-95945, Roissy, Charles De Gaulle
Cedex, France
Tel.: 01-48 63 89 89

ALPINE ELECTRONICS OF U.K., LTD.
13 Tanners Drive, Blakelands, Milton Keynes
MK14 5BU, U.K.
Tel.: 01908-61 15 56

ALPINE ELECTRONICS DE ESPAÑA, S.A.
Portal De Gamarra 36, Pabellón 32
01013 Vitoria (Alava)-Apdo. 133, Spain
Tel.: 34-45-283588

SE

Contents

Operating Instructions

WARNING

WARNING	2
CAUTION	2
PRECAUTIONS	3
Controls on remote control	4
Battery Replacement	5

Basic Operations

Turning Power On and Off	6
Switching the TV Band	6
TV Area Setting	6
Automatic Memory of Channel Presets	7
Tuning to Preset Channel	7
Manual Channel Selection	7
Automatic Seek Tuning	7
Manual Storing of Channel Presets	8
Scanning to Preset Channel	8
Confirming Channel (Channel Call)	8

Information

In Case of Difficulty	9
Specifications	9

Installation and Connections

Warning	10
Caution	10
Precautions	11
Preparation	12
Installation	12
Connections	14

WARNING

WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

CAUTION

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

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.

When inserting the batteries, be sure to observe proper polarity (+ and -) as instructed.

Rupture or chemical leakage from the battery may cause fire or personal injury.



PRECAUTIONS

Temperature

Be sure the temperature inside the vehicle is between +45°C (+113°F) and 0°C (+32°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

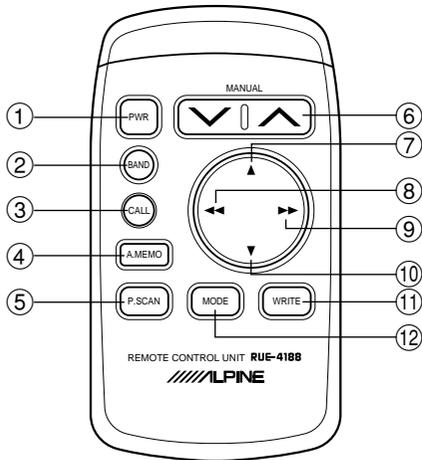
If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Installation Location

Make sure the TUE-T152 will not be exposed to:

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

Controls on remote control



① **PWR (Power) button**

Press the button to turn the TV tuner unit power on/off.

② **BAND button**

Press the button and the band will change as shown below.



③ **CALL button**

Press the button to display channel No. being received for approx. 5 seconds.

The channel memorization list is displayed for approx. 5 seconds by pressing the button again during channel No. display.

④ **A.MEMO button**

Press the button to automatically memorize channels receivable.

⑤ **P.SCAN button**

Press the button to receive channels for 5 seconds each by scanning the channels receivable from among memorized channels.

⑥ **MANUAL station-selection button**

Press the button to move downward or upward one step respectively until the desired station frequency.

⑦ **▲ button**

Preset channel is called each time the button is pressed. A TV area is selected on the TV area setting screen.

⑧ **◀◀ button**

Press the button to automatically seek for a channel downward.

⑨ **▶▶ button**

Press the button to automatically seek for a channel upward.

⑩ **▼ button**

Preset channel is called each time the button is pressed. TV area is selected on the TV area setting screen.

⑪ **WRITE button**

The channel searched by "Manual Channel Selection" or "Auto Seek Tuning" can be memorized by pressing the button for at least 1 second.

⑫ **MODE button**

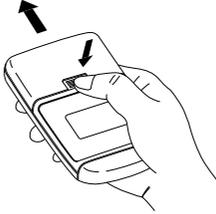
Press the button until the TV area setup menu appears.

Press and hold the button to determine the TV area.

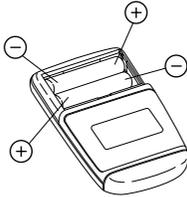
Battery Replacement

Applicable battery: Use two “AAA” sized dry batteries or equivalent.

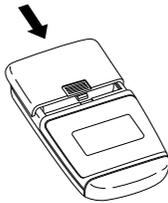
- 1** Opening the battery cover
Slide out the battery cover while firmly pressing outward.



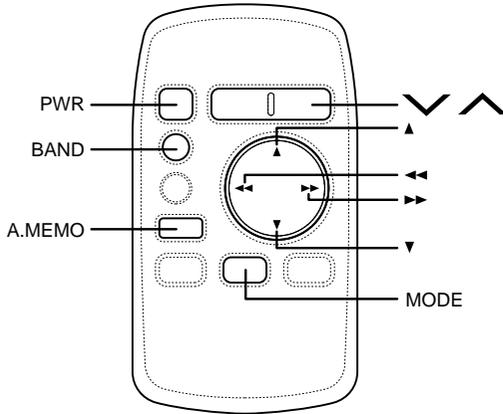
- 2** Replacing the battery
Put the batteries in the case observing the polarities as illustrated.



- 3** Closing the cover
Push the cover as illustrated until a click is heard.



Basic Operations



TV3:
PAL and SECAM Broadcasting Reception Band
Automatic Changeover Mode
(factory default)

NOTE

TV3 band can be used only when selecting No.1 to 6 of TV area list. When selecting No.7 to 11, only TV1 or TV2 can be used.

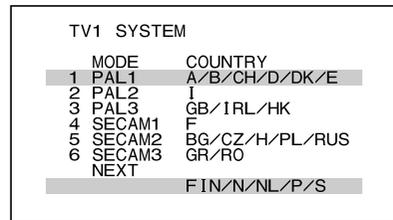
TV Area Setting

This operation registers the channel bandwidth selecting your TV area on the screen. Be sure to make this setting before the product is put to use.

Turning Power On and Off

- 1** Turn the monitor power on and change over the source to AUX1 or AUX2.
The source to be selected is changed by the connector to which TUE-T152 was connected.
- 2** Press the **PWR** (Power) button of the remote control unit.
The TV Tuner power is turned on.
- 3** Press the **PWR** button again to turn off the unit.
The TV Tuner power is turned off.

- 1** Press the **BAND** button and select the band of TV1 or TV2.
- 2** Press the **MODE** button.
The TV area setup menu appears.



- 3** Press the **▲** or **▼** button to select your TV area.
- 4** Press and hold the **MODE** button for at least 1 second.
The auto preset operation starts.

Switching the TV Band

- 1** Press the **BAND** button.
The band is switched each time the button is pressed.



TV1/TV2:
PAL or SECAM Broadcasting Reception Band
Fixing Mode
Refer to "TV Area Setting".

NOTES

- Only TV1 and TV2 bands can be used for TV area selection. TV3 band is not usable for this purpose.
- If the present broadcasting reception area is selected, auto preset operation is not performed. If this is the case, the operation returns to the status before TV area selection.
- TV3 band can be used only when selecting No. 1 to 6 of TV area list. When selecting No. 7 to 11, only TV1 or TV2 can be used.
- If TV system is the same as in countries listed in TV area list, these channels are receivable in other countries not listed there.

TV Area List

Area No.	Indication Mode	TV System	VHF CH	UHF CH	Country
1	PAL-1	PAL B-G/H	02 to 12 ch	21 to 69 ch	A, B, CH, D, DK, E, FIN, N, NL, P, S
2	PAL-2	PAL B-G	A to H2 ch	21 to 69 ch	I
3	PAL-3	PAL I-I	A to J ch	21 to 69 ch	GB, IRL, HK
4	SECAM-1	SECAM L	-	21 to 69 ch	F
5	SECAM-2	SECAM D-K	R1 to R12 ch	21 to 69 ch	BG, CZ, H, PL, RUS
6	SECAM-3	SECAM B-G	02 to 12 ch	28 to 69 ch	GR, RO
7	PAL-4	PAL B-H	0 to 12 ch	21 to 69 ch	AUS
8	PAL-5	PAL B-G	01 to 12 ch	21 to 69 ch	NZ
9	PAL-6	PAL B-G	01A to 11 ch	21 to 69 ch	RI
10	PAL-7	PAL B-G	02 to 12 ch	21 to 69 ch	IND, MAL
11	PAL-8	PAL I-I	04 to 13 ch	21 to 69 ch	ZA

Automatic Memory of Channel Presets

Broadcasting stations that can be received within the present TV area and all the channels receivable are automatically memorized. Refer to page 6 for channels of each TV area.

- 1 Press the **BAND** button.
The band is switched each time the button is pressed.

→TV3→TV1→TV2←

- 2 Press the **A.MEMO** button.
The auto preset operation starts.

TV1	P26CH64															
PAL	02	03	04	--	06	--	08	09	10	11	12	21	22	--	24	--
	26	27	--	29	--	--	--	--	--	35	36	37	38	--	--	--
	42	43	--	--	--	47	48	--	50	--	--	--	54	--	--	57
	--	--	--	61	>>	--	--	--	--	--	--	--	--	--	--	--

- 3 After the completion, memorized channel number list displays for about 5 seconds and the first memorized station is automatically received.

NOTES

- In poor receive conditions, a broadcasting not received may be recorded.
- If a channel receivable does not exist, NO PRESET will appear and unit returns to the status before starting the auto preset.
- For TV3 band, all the broadcasting stations of PAL and SECAM are searched and channel numbers are displayed on the display in order of stations received. When SECAM is being searched, "SECAM" is displayed on the display.
- The voice receiving sensitivity of TV3 band lowers by approx. 6 dB, but this is not due to breakdown.
- When stopping the auto preset halfway, press the A.MEMO button again during the search. Auto preset operation comes to an end by the channel at which search was completed.

Tuning to Preset Channel

Call a TV broadcast station memorized by the auto memory.

- 1 Press the **BAND** button.
The band is switched each time the button is pressed.

→TV3→TV1→TV2←

- 2 Press the **▲** or **▼** button.
The memorized station is called each time the button is pressed.

NOTE

In case none of the stations can be called by the auto memory, this operation is impracticable.

Manual Channel Selection

- 1 Press the **▼** or **▲** button.
Channels are changed 1 CH by 1 CH.

Automatic Seek Tuning

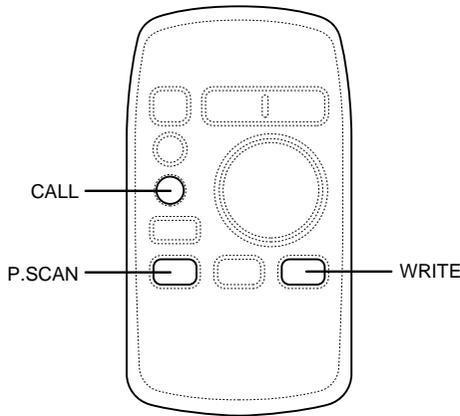
Broadcasting stations that can be received within the present TV area are automatically sought. Refer to page 6 for channels of each TV area.

- 1 Press the **◀◀** or **▶▶** button to automatically seek for a channel downward or upward respectively. The unit will stop at the next channel it finds. Press the same button again to seek the next channel.

NOTES

- When the PWR button or the BAND button or the MODE button is pressed while Automatic Seek is in operation, SEEK operation comes to an end. Then operation is changed over to a mode of the button that was pressed by memorizing a channel at which the SEEK operation was completed.
- When the receiving condition is bad, there may be the case of receiving the channel which picture is not clear.

Basic Operations



Manual Storing of Channel Presets

The channel searched by "Manual Channel Selection" or "Auto Seek Tuning" can be additionally memorized into an auto memorized channel.

- 1 Select the TV band and tune in a desired channel.
- 2 Press and hold the **WRITE** button for at least 1 second.
Preset No. is displayed and memorized.

NOTE

When a smaller channel than a preset one is additionally preset, the preset No. is replaced in order of small numbers.

Scanning to Preset Channel

A desired channel can be searched by scanning in sequence the channels that have been preset in the present TV band.

- 1 Press the **P.SCAN** button.
The preset channels are received in sequence for 5 seconds each.
- 2 If a desired channel is found, press the **P.SCAN** button.
Then that channel is received.

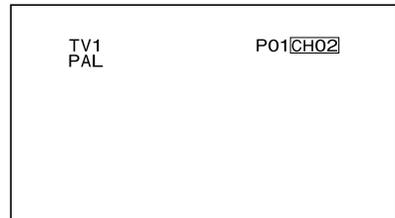
NOTES

- The channel incapable of reception proceeds to the next channel a few seconds later.
- The channel before being scanned to the last preset channel is received.

Confirming Channel (Channel Call)

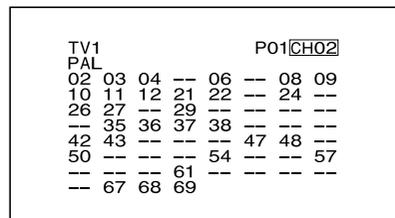
- 1 Press the **CALL** button.
Channel No. being received is displayed for approx. 5 seconds.

Channel selection mode

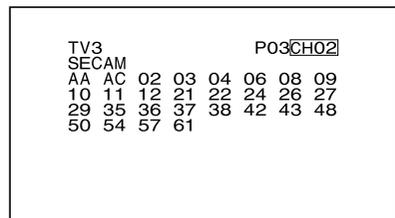


- 2 Press the **CALL** button again during a channel selection mode.
The channel memorization list is displayed for approx. 5 seconds.
Channel No. being received is displayed in yellow.

Channel memorization list mode
(TV1 or TV2 band)



Channel memorization list mode
(TV3 band)



NOTES

- "SECAM" on the screen of TV3 band is displayed when receiving SECAM-L (mainly in France). In this case, CH is displayed in blue. CH in white shows the reception in SECAM or PAL mode, even if "SECAM" or "PAL" is not displayed.
- CH displays of "AA" to "BA" on the screen are temporary-named ones and differ from the actual ones.

Information

In Case of Difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

No power supplied.

- Vehicle's ignition is off.
 - Turn the ignition on.
- No fuse or blown fuse.
 - Check the cause and replace the fuse.
- Incorrect connections.
 - Check connection and remedy.
- Vehicle's battery is weak.
 - Check the voltage of vehicle's battery.

Remote control does not work.

- Battery is worn out.
 - Replace battery.
- Incorrect battery insertion.
 - Insert battery correctly.
- Remote control does not point remote control sensor.
 - Operate remote control so that it faces the sensor.
- Remote control sensor or remote control transmitter window is dirty.
 - Clean remote control sensor or transmitter window.

Picture not clear or noises appear.

- Poor signal strength.
- Out of service area of station being received.
 - Check by moving car in other location.
- Fluorescent tube is exhausted.
 - Replace the fluorescent tube.*

No picture obtained.

- Mode switch is not set to a desired mode.
 - Select desired mode by pressing TV/NAV./VIDEO button.
- Temperature inside car is high.
 - Lower the temperature.
- Poor connections between monitor and tuner.
 - Check connections.

Dots or stripes appear on picture.

- Affected from neon sign, high voltage line, amateur radio transmission, cars, etc.
 - Move car to a location free from interference.

Double or triple pictures or rolling picture appear.

- Signals are reflected by mountain or buildings near car.
 - Move car to other locations. Adjust location, direction and height of antenna.

Noises appear in car radio.

- High frequency signals from TV are received by car radio.
 - Keep away antenna leads and other wire leads from TV.

Too much voice noise is heard.

- TV area is improper.
 - Confirm the setting for a TV area.

Audio interruption function does not work in combination with navigation system.

- TV channel 56 is received.
 - Switch channel other than 56.
- Poor connection of guide control input cord.
 - Connect guide control cord of navigation securely.

Channel display is incorrect.

- The field strength is low.
 - Move the car to other location and check it again.

Picture becomes whitish.

- Located under a TV tower.
 - Move the car to other location to use it.
 - If you want to use in that location, turn the TV antenna's booster switch to off position.

* The fluorescent tube replacement is not free of charge even within the warranty period, for the tube is an article of consumption.

MODE button does not work well.

- Even if pressing the MODE button, TV area setup menu screen does not come out.
 - Press the button after changing TV band to TV1 or TV2. It cannot be operated if it is TV3.

TV area cannot be changed.

- Even if trying to change the TV area, it stays to be the former one.
 - Change the TV area again, and press and hold the MODE button at least 1 second.

Specifications

TV Tuner

Color System PAL/SECAM
Channel Selection System PLL Frequency Synthesizer System
Channel Coverage

Television System	CH	PAL-B/G	PAL-/I	SECAM-L	SECAM-D/K	SECAM-B/G
Channel Coverage	VHF	2-12 ch	A-J ch	-	1-12 ch	2-12 ch
		A-H2 ch	-	-	-	-
	UHF	21-69 ch				

* As for TV area 7 to 11, refer to the TV area list on page 6.

Antenna Input ... 4-channel diversity (75 ohms, 3.5 ϕ mini-jack)
Maximum Sensitivity (-6 dB Output) ... 35 dB μ (at 471 MHz)
Video/Audio S/N (75 dB μ) 45 dB/50 dB
Video Output System PAL
Video Output Level 1.0p-p/75 ohms
Audio Output Level 500mV/10k ohms

General

Operating Voltage DC14.4V (11 to 16V)
Operating Current 250mA
Operating Temperature Range -10°C ~ +60°C
Storage Temperature Range -20°C ~ +80°C
Dimensions (mm) 196.2 (W) x 119.9 (D) x 33.5 (H)

TV Antenna Unit

Output Impedance 75 ohms, 3.5 ϕ mini-jack
Operating Voltage DC14.4V (11 to 16V)
Operating Current 50mA
Operating Temperature Range -10°C ~ +60°C

Installation and Connections

Before installing or connecting the unit, please read the following and pages 2 and 3 of this manual thoroughly for proper use.

Warning

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(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.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

Caution

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 product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

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 result in product failure.

Precautions

- Be sure to disconnect the cable from the (-) battery post before installing your TUE-T152. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage the vehicle's electrical system.
- When making connections to the car's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the TUE-T152 to the fuse box, make sure the fuse for the intended circuit of the TUE-T152 has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your ALPINE dealer.
- The TUE-T152 uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors. You may need an adaptor to connect other units. If so, please contact your authorized ALPINE dealer for assistance.

IMPORTANT

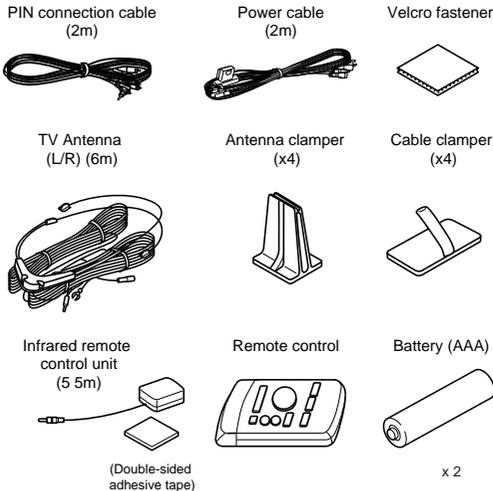
Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number plate is located on the bottom of the unit.

SERIAL NUMBER: _____
INSTALLATION DATE: _____
INSTALLATION TECHNICIAN: _____
PLACE OF PURCHASE: _____

Installation and Connections

Preparation

- 1 Park the vehicle in a flat, safe place. Apply the parking brake, then remove the ignition key.
- 2 Check the included parts and organize the tools and installation instructions.



- 3 Disconnect the battery's minus terminal.

Installation

Installing TV TUNER

This TV TUNER can be placed inside the trunk, on the kick panel of the front passenger's seat or underdash. However, to avoid unnecessary signal wiring, it is better to mount the TV TUNER as close as possible to the Display.

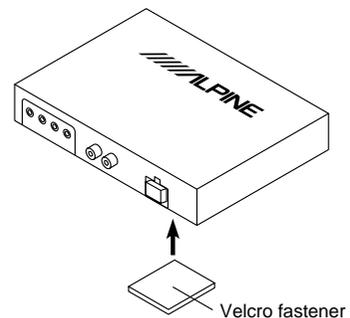
DO NOT MOUNT THE UNIT IN LOCATIONS THAT WILL BE IN THE VICINITY OF MOISTURE OR EXTREME HEAT (such as the engine compartment).

Make sure you have all the necessary parts and tools. Then, begin mounting according to one of the following procedures:

Mounting

This installation method is suggested when the mounting location does not permit drilling. **USE THIS METHOD ONLY WHEN THE UNIT IS MOUNTED ON A HORIZONTAL SURFACE. NEVER MOUNT A UNIT UPSIDE-DOWN USING THE VELCRO TAPE.**

- 1 Remove the adhesive protective paper from one side of the Velcro fasteners.
- 2 Attach the exposed adhesive side to the underside of the unit, in a central location. Do not cover the serial number.
- 3 Make sure the mounting location is clean, dry and free from contaminants.
- 4 Remove the protective strip from the other side of the Velcro pad.
- 5 Press the unit onto its mounting location.



TV Antenna Mounting Method

- 1 Determine the mounting location.
Determine the mounting locations at left and right corners of the rear window. (Fig.1).
- 2 Peel off the base paper and put on the antenna. Clean dirty of the mounting locations, and then put on the antenna.

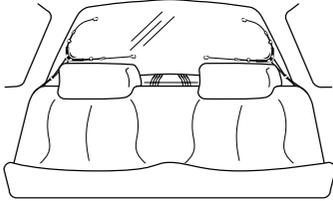


Fig.1

- 3 Pinch the antennas and fix them onto the window panel, by using the attached antenna fixing clamps. (Fig. 2)

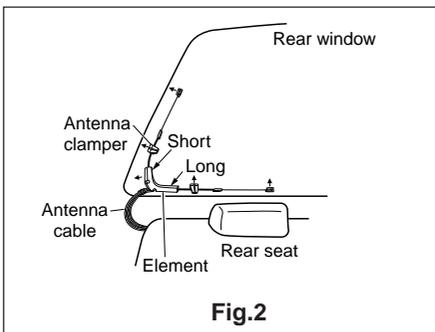


Fig.2

NOTES

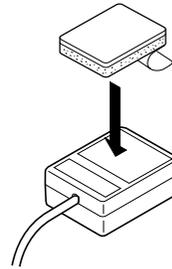
- Before put on the antenna, heating the mounting locations with a hair dryer will assure good result.
- Do not apply any humidity and force within 24 hours after putting on the antenna.
- In order to keep the good reception, be sure to put the antenna cable firmly to the body-side of the car (metal part) when wiring it from the element part to the side of the car-room.
- Reception may be a bit worse in the car whose window glasses are of the type not allowing airwaves to go through.

Remote Control Sensor Unit Mounting Method

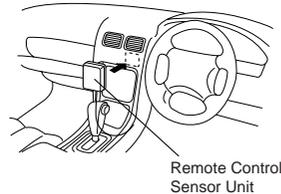
NOTES

- The remote control sensor unit is used only when operating TUE-T152 from the rear monitor.
- When mounting the unit with double-sided adhesive tape, make sure the mounting surface is dry and free from dirt or grease.

- 1 Press the double-sided adhesive tape onto the back of the remote control sensor unit.



- 2 Before completing the sensor mounting, make sure the location selected is within the operating range of the remote control. Peel off the backing of the adhesive tape and press the sensor onto the selected mounting location, or inside of the remote control holder.



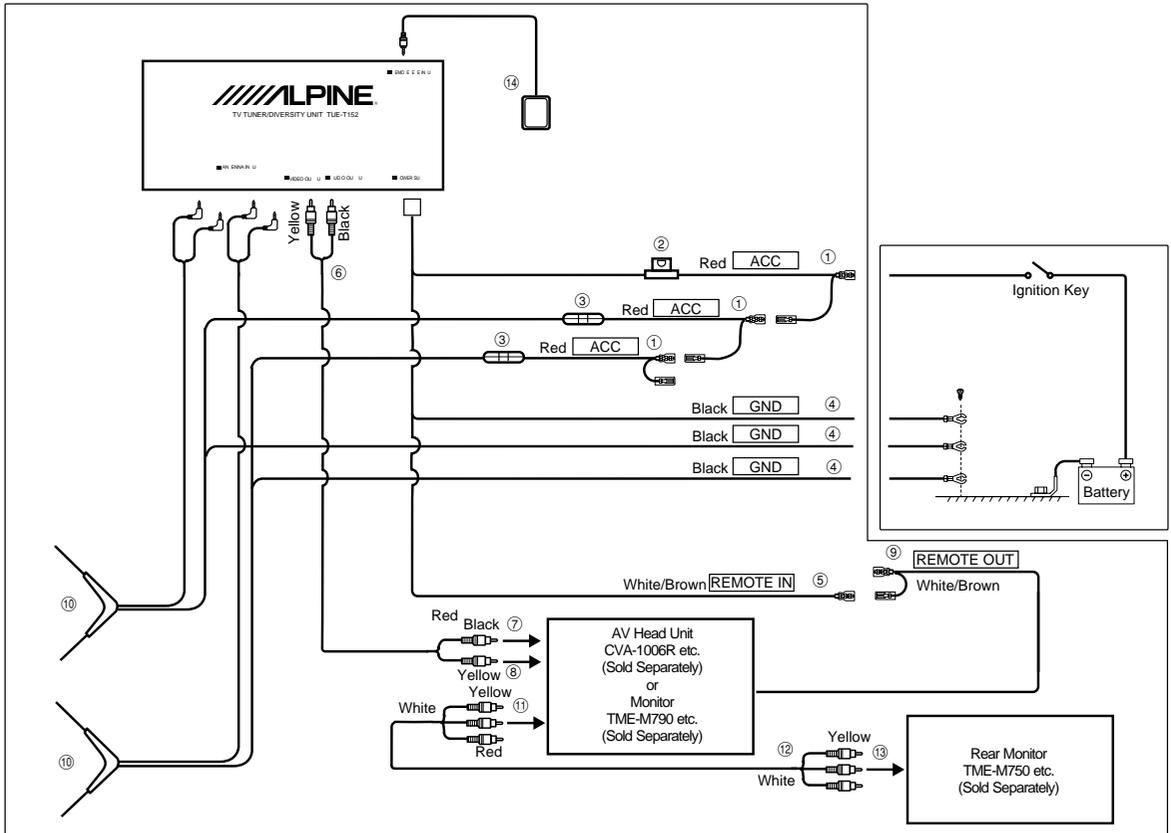
To prevent external noise from entering the audio system.

- Locate the unit and route the leads at least 10cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove the coating if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various Alpine noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

Installation and Connections

Connections

Connections and System Wiring Diagram



NOTE

Caution - when connecting the Rear Monitor

Make sure to use the Remote Control Eye (14), when operating TUE-T152 from the rear monitor. In this case, the signal of the Remote Control Input Lead (5) becomes ineffective.

- ① **Switched Power Lead (Ignition) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.
- ② **Fuse Holder (7.5A)**
- ③ **Fuse Holder (0.5A)**
- ④ **Ground Lead (Black)**
Connect the lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
- ⑤ **Remote Control Input Lead (White/Brown)**
Connect to the remote control output Lead of the CVA-1006R, etc.
When using the remote control eye, the signal of this lead becomes ineffective.
- ⑥ **RCA Extension Cable (Included)**
- ⑦ **To AUX Audio L-ch (MONO) Input Connector**
- ⑧ **To AUX Video Input Connector**
- ⑨ **Remote Control Output Lead**
- ⑩ **TV Antenna (Included)**
- ⑪ **AUX Output Terminal**
Use when connecting an optional monitor.
- ⑫ **RCA Extension Cable (Sold separately)**
- ⑬ **To AUX Input Connector**
- ⑭ **Remote Control Eye**
Make sure to use this when operating TUE-T152 from the rear monitor.

Händlerstemple

Tipps der Polizei:

- Stellen Sie Ihr Fahrzeug stets gut sichtbar ab.
- Verschließen Sie Türen, Fenster, Schiebedach und Kofferraum immer, auch bei nur kurzer Abwesenheit.
- Lassen Sie keine Wertsachen sichtbar im Auto liegen.
- Wird Ihr Fahrzeug aufgebrochen, wenden Sie sich sofort an die nächste Polizeidienststelle.
- Belassen Sie Ihr Fahrzeug nach einem Aufbruch im Originalzustand.
- Informieren Sie sich über technische Sicherungsmöglichkeiten bei einer Kriminalpolizeilichen Beratungsstelle.

Gerät 1

Modell-Nr.:

Hersteller:

Seriennummer:

A	L																		
---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Kaufdatum: _____ Preis: _____



Car Audio and Navigation Systems

GERÄTE-PASS

AUDIO SYSTEME

Fahrzeugmarke: _____ Typ: _____

Amtl. Kennzeichen: _____

Name des Halters: _____

Straße: _____

Wohnort: _____

Bitte füllen Sie diesen Pass vollständig aus und bewahren Sie ihn außerhalb des Fahrzeugs auf:

Im Falle eines Diebstahls wird für Sie die Schadensabwicklung mit der Versicherung einfacher, und Sie erleichtern der Polizei die Fahndung nach den Tätern.