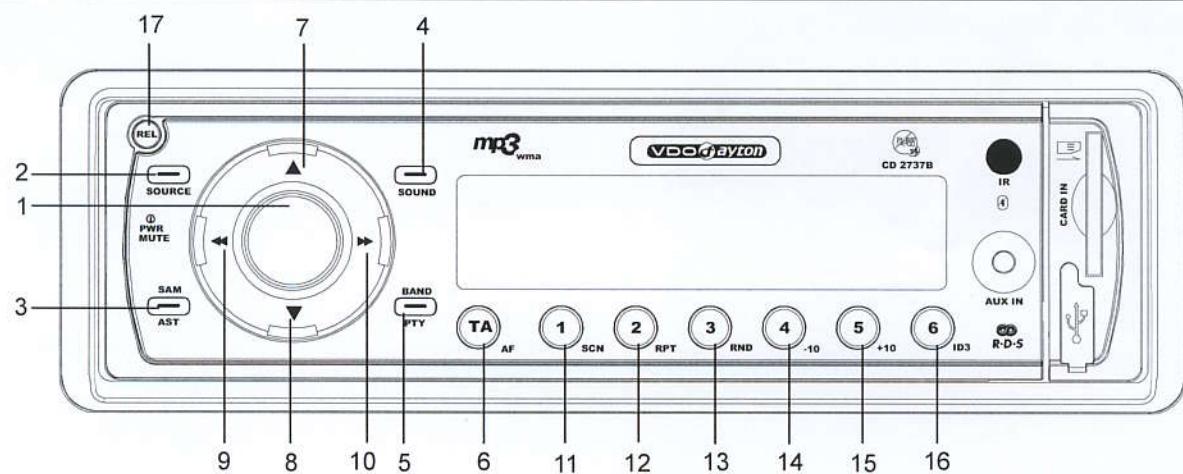
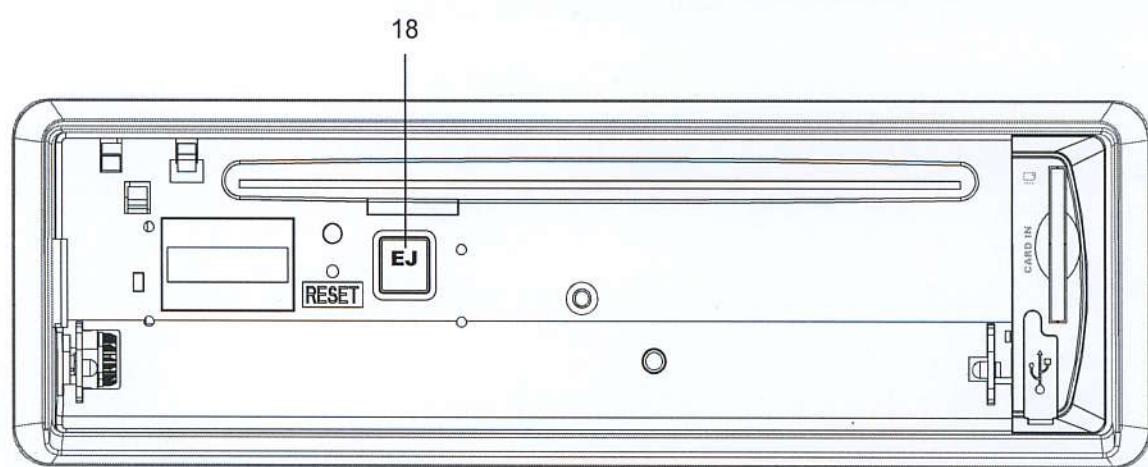
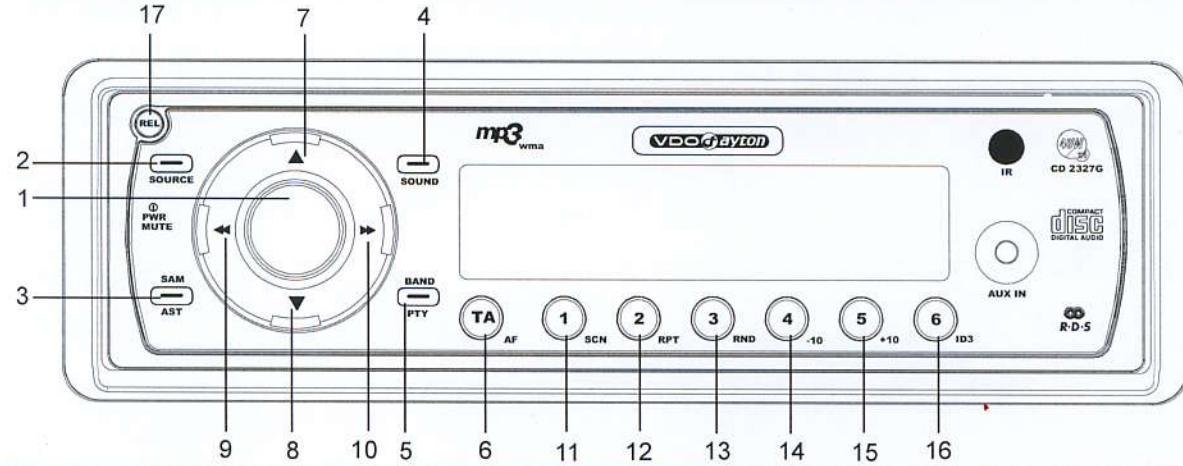
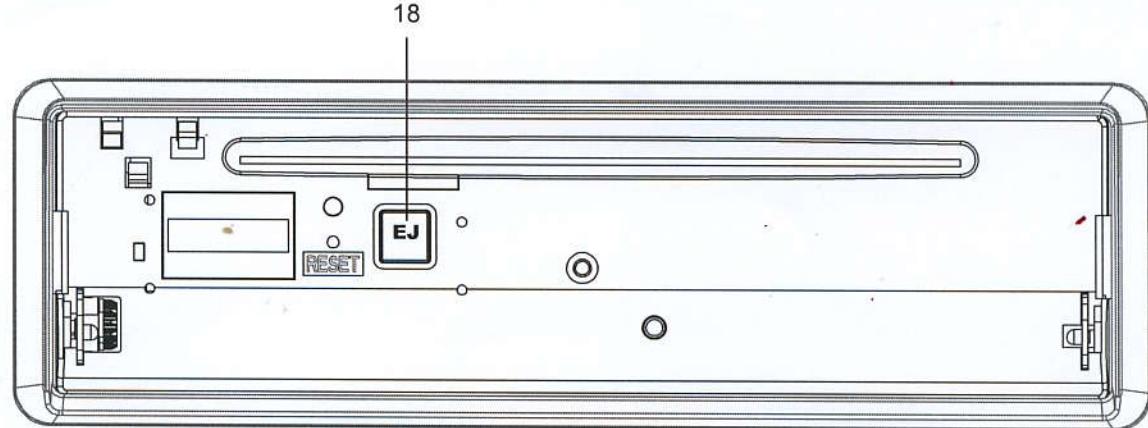
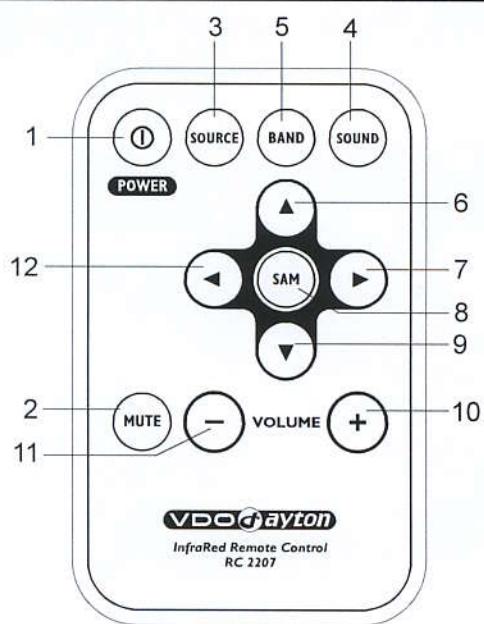
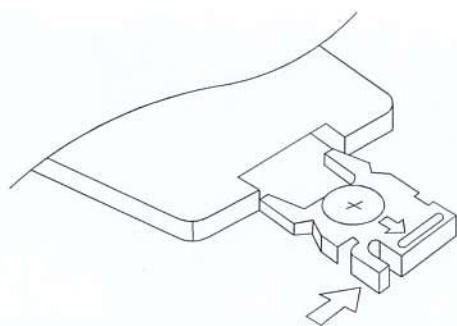
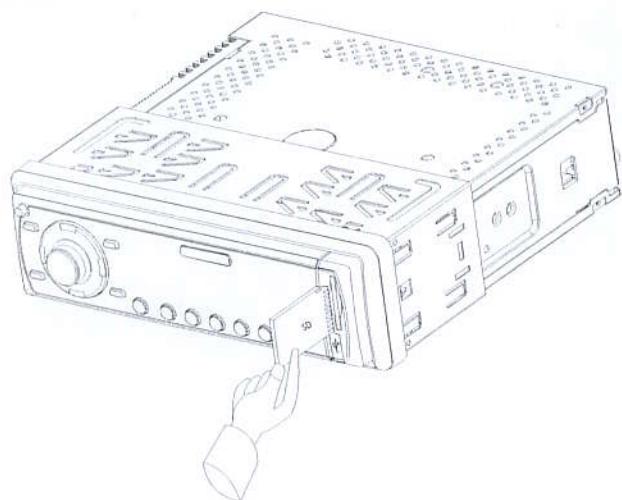
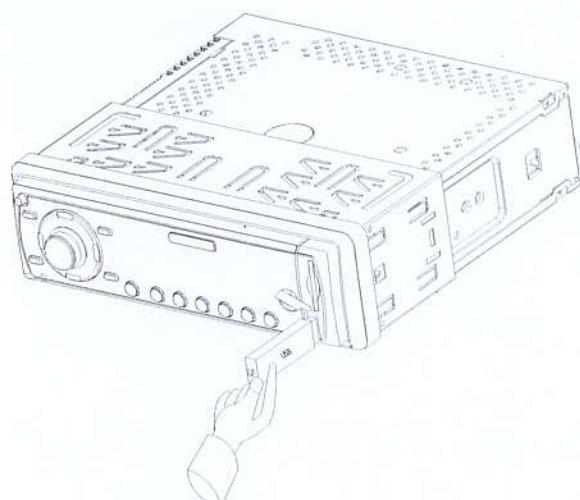
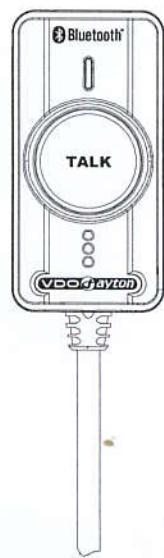
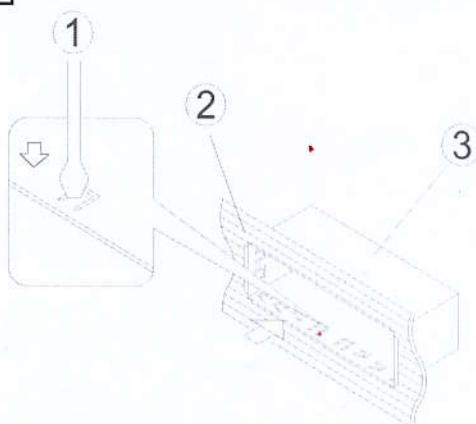
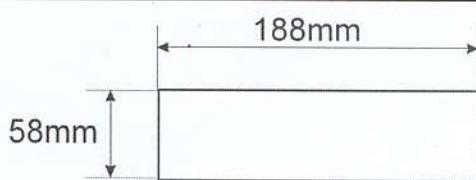
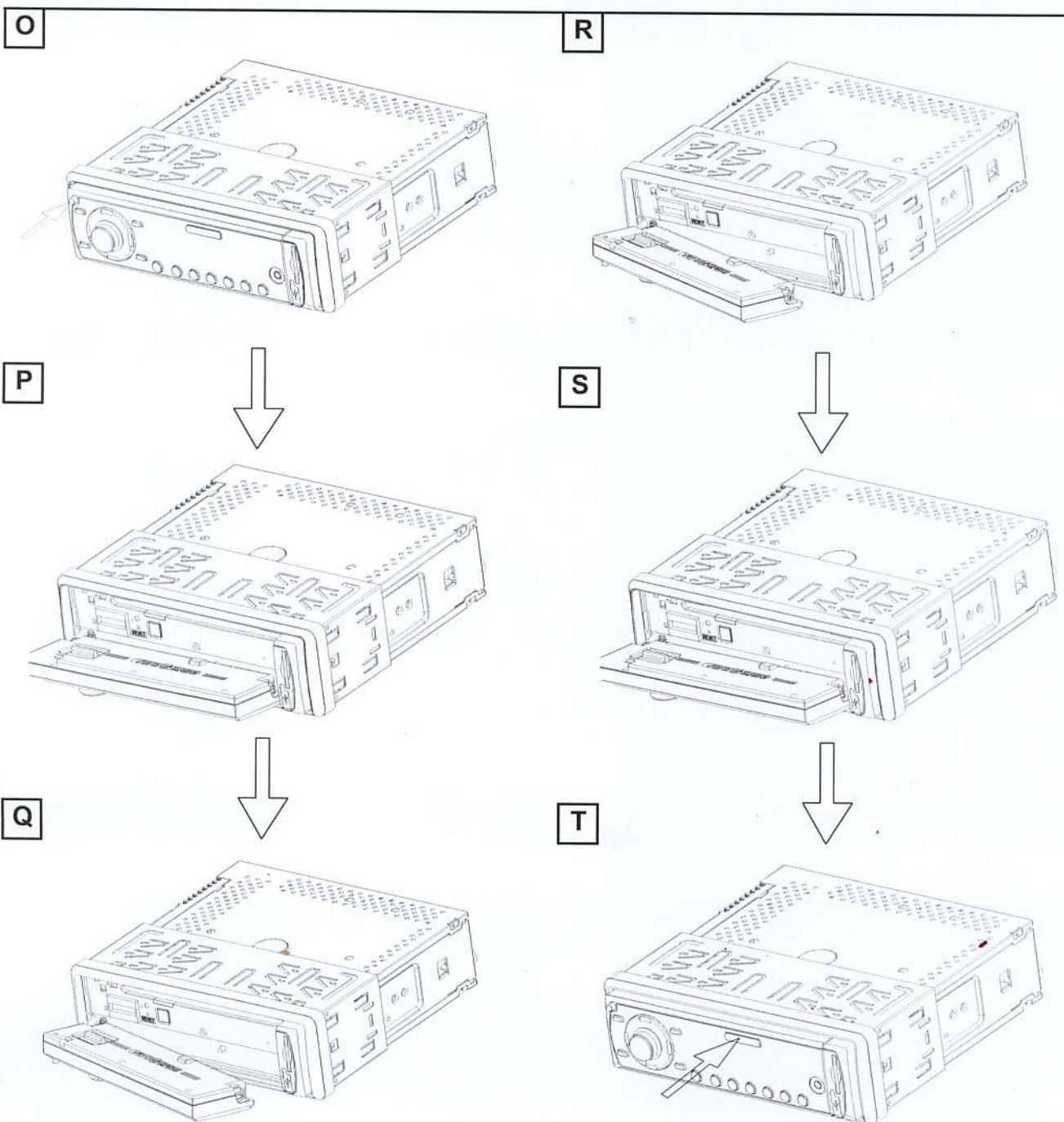
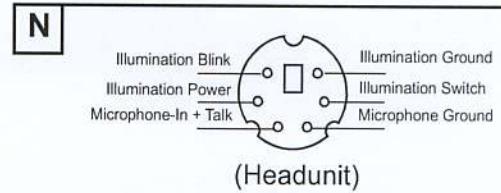
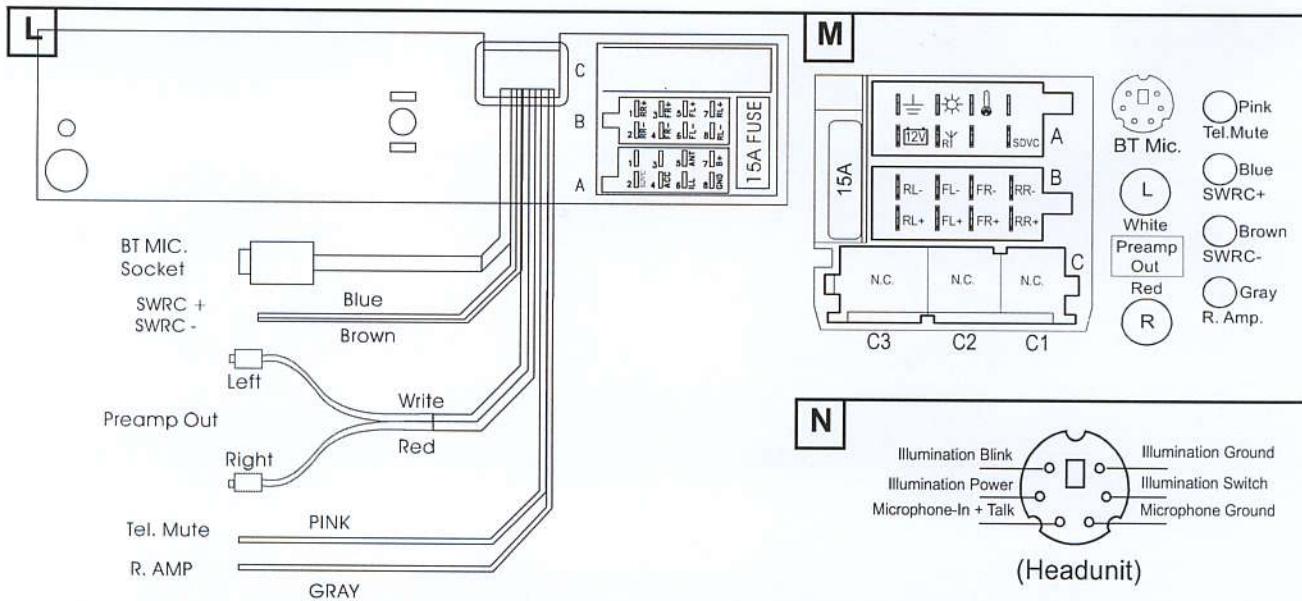
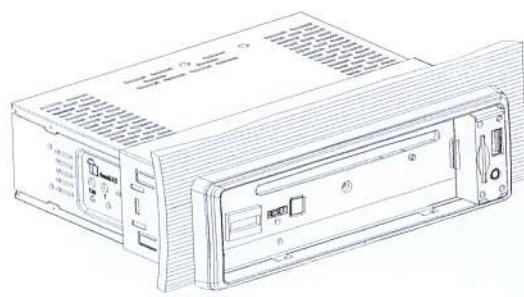
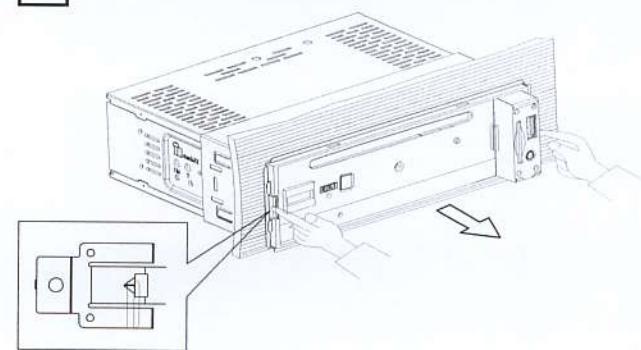


**A****B****C****D**

**E****F****G****H****I****J****K**



**U****V**

# INTRODUCTION

## Before Starting

Thank you for purchasing this VDO Dayton product, which has been designed and manufactured according to applicable Safety Regulations, following the highest standards and subjected to rigorous testing. Kindly familiarize yourself with the product by reading this user manual carefully. Use the product as intended, and keep this manual handy in your car for future reference.

## Environment

This booklet is printed on low-chlorine recyclable paper.

## Preventive Maintenance

To ensure good connection between the set and the detachable front, it is advisable to clean the connectors periodically with a cotton swab slightly moistened with cleaning fluid or alcohol.

## TECHNICAL AND FUNCTION DATA

	CD2217G	CD2327G	CD2537U	CD2737B
Power Supply	12V	12V	12V	12V
Max. Power [W]	4 x 40	4 x 40	4 x 50	4 x 50
Sinus Power [W]	4 x 20	4 x 20	4 x 25	4 x 25
Quiescent Current	≤ 3mA	≤ 3mA	≤ 3mA	≤ 3mA
Illumination	Switchable (orange / green / dual)			
Steering Wheel Remote Control	Programmable	Programmable	Programmable	Programmable
Speed Dependent Volume Control	Needs calibration	Needs calibration	Needs calibration	Needs calibration
FM	3 Bands (including 1 AST band)			
MW/LW	2 MW Bands (includ- ing 1 AST band), 1 LW Band	2 MW Bands (includ- ing 1 AST band), 1 LW Band	2 MW Bands (includ- ing 1 AST band), 1 LW Band	2 MW Bands (includ- ing 1 AST band), 1 LW Band
MP3 Format (with ID3 Tag)	Yes	Yes	Yes	Yes
WMA Format	-	Yes	Yes	Yes
CD (with ESP)	Yes	Yes	Yes	Yes
SD / MMC	-	-	Reads up to 2 GB memory	Reads up to 2 GB memory
USB	-	-	V1.1 speed; reads up to 2 GB memory	V1.1 speed; reads up to 2 GB memory
Bluetooth	-	-	-	V2.0 + EDR
BT Profiles	-	-	-	HSP, HFP, A2DP
Preamp Out	2-Channel (2V)	2-Channel (2V)	2-Channel (2V)	2-Channel (2V)
Front Panel	Flip down, Detachable	Flip down, Detachable	Flip down, Detachable	Flip down, Detachable
Telephone Mute	Single fly lead cable			
Dimensions (WxHxD)	178 x 50 x 160 mm			

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## GENERAL INFORMATION

### Disclaimer

The designs and specifications stated in this user manual are subjected to changes without prior notice.  
VDO Dayton accepts no responsibility for data loss on your storage cards and/or USB devices if the data is lost while using this headunit.

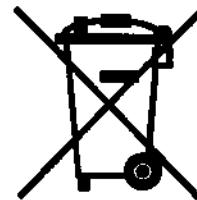
### Class 1 Laser Product



#### Caution:

Any inappropriate use of the device may expose the user to invisible laser rays. Which exceed the limits for Class 1 laser products.

### Disposal of batteries and accumulators (Directive 2006/66/EC)



In many countries it is forbidden to dispose empty batteries with normal domestic waste. Please find out the regulations that apply in your area regarding the disposal of used batteries. Please take care that damaged or leaked batteries will be disposed in a professional way.

### FCC Compliance



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### CE Compliance



Hereby, Siemens VDO Trading GmbH declares that this device complies with the essential requirements and other relevant provisions of Directive 1999/5/EC.

The Declaration of Conformity is available upon request at the following address:  
Siemens VDO Trading GmbH,  
Kruppstraße 105,  
60388 Frankfurt am Main, Germany.

## Protecting your headunit from theft

The front panel can be detached from the head-unit and stored in the provided protective case to prevent theft.

Important:

- Never use force or grip the display and the buttons too tightly when removing or attaching.
- Avoid subjecting the front panel to excessive shocks.
- Keep the front panel out of direct sunlight and high temperature.

## CD player and care

- Please use normal, round CDs only. If you insert irregular, non-round, shaped CDs, they may jam inside the headunit or not play properly.
- Check all CDs for cracks, scratches or warping before playing. Do not play CDs with one of these symptoms.
- Avoid touching or leaving fingerprints on the recorded (non-printed) surface when handling the CDs.



- Always store audio CDs in their protective covers when not in use.
- Always ensure that CDs are clean and dry before inserting.
- Keep CDs out of direct sunlight and do not expose the CDs to high temperatures.
- Do not attach labels, write on or apply chemicals to the surface of the CDs.
- To clean a CD, wipe the CD with a soft cloth outward from the centre.



- If the heater is used in cold weather, moisture may form on components inside the head-unit. Condensation may cause the headunit to malfunction. If you think that condensation is a problem, turn off the headunit for an hour or so to allow it to dry out and wipe any damp CDs with a soft cloth to remove the moisture.
- Road shocks may interrupt CD playback.

## FEATURES INFORMATION

### Notes on RDS

Many VHF stations transmit RDS (Radio Data System) information. This radio evaluates the RDS telegram and offers the following advantages:

- PS (Program Service name): Display of station name
- PTY (Programme TYpe): Station selection by programme type
- AF (Alternative Frequency): Automatic re-tuning to best alternative frequency for clearer reception
- TA (Traffic Announcement): Traffic announcements of reported road conditions
- EON (Enhanced Other Network): Automatic fade-in of traffic announcements of other stations
- PTY-NEWS: Fading in of messages and items of news

### Notes on audio CDs

- You can play 12 cm CDs on your headunit. The use of 8 cm CDs (with or without adapters) and of CDs with irregular shapes is not recommended.
- Please use CDs (Compact Discs) that has this Compact Disc Digital Audio marking as shown below.



The following CD formats are supported by the headunit:

- CD Audio (CD-DA in accordance with the Red Book);
- CD Text is not supported
- CD-ROM (in accordance with Yellow Book);
- CD-R/RW (in accordance with Orange Book, part 2/3);
- CD mixed mode (in accordance with Light Yellow Book);  
⇒ Only the audio tracks will be the played.
- Multi-session CD (in accordance with multi-session CD specification 1.0).

## Notes on MP3 files

The following MP3 files are supported by the headunit:

- Files conforming with MPEG 1/2 or 2.5, Layer-3
- Up to 65k titles in up to 255 directories (each data name with maximum of 32 characters)
- Bit rate: This headunit can play recordings with bit rates of 32 kbps to 320 kbps, constant or variable bit rate (VBR). The sound quality of MP3 files generally becomes better with an increased bit rate. To enjoy sound of a certain quality, we recommend using discs recorded with a bit rate of at least 128 kbps.
- ID3 tag display: ID3 tag V1 and ID3 tag V2. MP3 tracks can contain additional information such as artist, track and album names (ID3 tags with maximum of 32 characters). Characters other than upper case and lower case letters ("Aa to Zz") and underscore ("\_") may not display properly.
- The headunit may not play the tracks in the order that you wrote them to the storage media.
- The headunit plays on the first session if the disc contains both CD audio tracks and MP3 files.
- When playing a track with VBR, the elapsed playing time in the display may not be accurate.
- Make sure that a MP3 CD-R/RW is burned and formatted as a data disc and NOT as an audio disc.
- MP3 files are not compatible with packet write data transfer.
- There is no "m3u" play list compatibility.
- There is no MP3i (MP3 interactive) nor MP3 PRO formats compatibility.
- The MP3 symbol on the display will be shown if a MP3 track is being played.

## Notes on WMA files

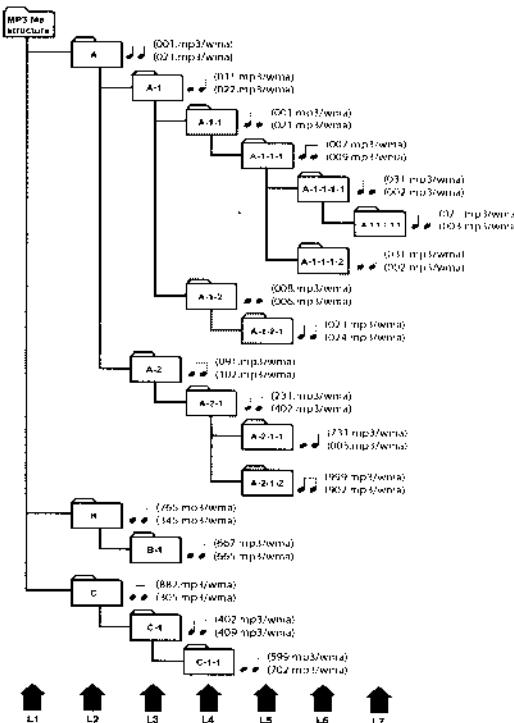
WMA is short for Windows Media® Audio and refers to the audio compression technology that is developed by Microsoft Corporation. Microsoft®, Windows Media and the Windows® logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

- This headunit may not playback all types of encoded WMA files correctly, depending on the application used to encode the files.
- There may be a slight delay when starting playback of WMA files encoded with image data.
- The headunit may not display folder name longer than 32 characters correctly.

- For files recorded in Romeo file system, only the first 64 characters will be displayed.
- The headunit will playback WMA files encoded by Windows Media Player version 9 or before. Some files encoded by newer versions may not playback.
- Bit rate: This headunit can play recordings with bit rates of 32 kbps to 320 kbps, constant or variable bit rates (VBR). The sound quality of WMA files generally becomes better with an increased bit rate. To enjoy sound of a certain quality, we recommend using on discs recorded with a bit rate of at least 128 kbps.
- The headunit does not support WMA files encoded in WMA Professional, WMA Lossless, WMA Voice format or WMA with DRM.

## Notes on folders

An outline of a CD-ROM with MP3/WMA files is shown below.



Sub-folders are shown as folders in the selected folder.

- The headunit assigns the order of the folders for playback automatically..
- Folders without any MP3/WMA files will be skipped automatically.
- Up to 8-tier (layer) of folders is supported. However, there may be a delay in the reading of table of content (TOC) of the disc with numerous tiers. For this reason, we recommend creating discs with no more than two tiers.
- It is possible to playback up to 255 folders on 1 disc and up to 255 tracks in 1 folder.

## Notes on SD/MMC

The headunit can support the following SD or MMC card that has one of these markings shown below.



- The headunit can support memory cards with up to 2 GB of memory and does not support HC-SD (4 GB and above).
- The headunit may not play SD cards with lock function.
- The headunit may not be able to read some mini-SD or micro-SD cards with adapters.

**Important Note:** This headunit cannot guarantee 100% compatibility and readability for all SD or MMC cards.

- The headunit has been tested with the following brands:
  - ⇒ SD card (SanDisk, Toshiba & Kingston)
  - ⇒ Mini-SD (Toshiba & Kingston)
  - ⇒ Micro-SD (Toshiba & Kingston)
  - ⇒ MMCMobile card (Kingston)
- The headunit will support memory cards formatted in FAT8, FAT16 or FAT32 only. Memory cards formatted in NTFS file format may not read correctly.
- The headunit will automatically playback tracks recorded in MP3 or WMA formats from the memory cards upon insertion of the card into the right slot.

## Notes on USB

The headunit can support most passive USB memory sticks and battery-operated USB music players.

- The headunit can support USB device with up to 2 GB of memory.
- The headunit may not be able to read some USB devices with more than 2 GB or some battery-operated USB music players. Portable hard disks are mostly not supported as they sourced high current.
- The headunit supports USB specifications version 1.1. USB devices conforming to USB specifications version 2.0 or above are mostly backward compatible.

**Important Note:** This headunit cannot guarantee 100% compatibility and readability for all USB devices.

- The headunit has been tested with the following brands:
  - ⇒ Toshiba
  - ⇒ Kingston
  - ⇒ Imation
- The headunit will support USB devices formatted in FAT8, FAT16 or FAT32 only. USB devices formatted in NTFS file format may not read correctly.

## Notes on Bluetooth® Technology



Bluetooth is a short-range wireless radio connectivity technology used mainly for mobile phones, hand-held PCs and other devices.

- Bluetooth SIG Inc. owns the Bluetooth word, marking and logos; and any use of such marks is under license. Other trademarks and trade names are those of their respective owners.
- Bluetooth operates in 2.4 GHz frequency range and transmits voice and data at speeds of up to 1 mbps within a range of up to 10 m.
- The headunit supports the Handset Profile (HSP), Handsfree Profile (HFP) and Advanced Audio Distribution Profile (A2DP).
- The headunit has been verified and certified by Bluetooth Qualification Program (BQP) for compliance to the Bluetooth standards. For more information, please check the Bluetooth web site (<http://www.bluetooth.com/Bluetooth/Connect/Products/>) for the BQP product listing.

## Notes on Priority

For you to understand your headunit better, the priorities of events and interruptions are summarized in a table. Incoming event with same or higher priority (than current event) will interrupt current event.

Priority	Event
1	User-activated Mute or incoming Telephone Mute
2 *	Bluetooth (profile is according to the SAM setting, e.g., HFP 1ST)
3	TP lost and incoming TP/TA
4 *	PTY-News (if activated in SAM)
5	USB, SD/MMC and Bluetooth (other profiles not nominated as higher-priority)
6	PTY
7	Tuner (FM, MW and LW) and AUX
8	Volume-0

\* Depends on SAM settings

# INSTALLATION

Use the supplied mounting sleeve and the rear screw to mount the headunit firmly in the dashboard. Only use the supplied screws for installation. Keep leftover installation equipment for future use. If the installation requires drilling of holes or other modifications to the vehicle, please contact your dealer. This headunit is designed for the installation in the DIN-sized radio space in the dashboard of your vehicle.

## Connection

### Connection in vehicles equipped with standard ISO connectors

- The headunit may be installed without major preparation in vehicles with ISO connectors. However, some signals may have to be adapted or connected to the ISO connectors.

### Connection in vehicles without standard ISO connectors

- For vehicles with different connection requirement, ask your dealer for an adaptor cable. If no adaptor cable is available for your vehicle, connect the headunit as described in the "Connectors" section.

## Preparation

The device must be connected to a 12V DC electrical system with a negative terminal to earth (car chassis).



### Warning:

**Installation that does not conform to these requirements may result in malfunction, damage or fire!**

To avoid the risk of short circuit during installation, disconnect the negative terminal of the battery until the headunit has been securely installed and connected.

## Connectors (fig. L, M and N)

### Connector A 1)

- (optional) A1: Connect to the speed signal from the speedometer of your vehicle. Some vehicles are already prepared for it. Please consult your dealer.
- A4: Connect to the switched 12V supply (switched on/off by the car ignition)
- A5: Connect to the power supply for an electronic antenna or the control wire for the relay of an automatic motorized antenna. Do not use this connection for direct power supply to the antenna motor.

- (optional) A6: Connect to corresponding dashboard wiring for the lighting control for in-vehicle illumination.
- A7: Connect to a permanent 12V supply. This is the main power supply. Ensure that this connection can handle a current of up to 15A.
- A8: Connect to earth/ground (vehicle chassis or negative terminal of the battery).

Pin	Signal	Pin	Signal
[A1]	SDVC	[A5]	Antenna control
[A2]	-	[A6]	Pilot Light
[A3]	-	[A7]	Battery
[A4]	Ignition	[A8]	Ground

### Connector B 1)

Connector for loudspeakers (use 4-ohm loudspeakers only) wiring. Do not connect any of the loudspeaker leads to earth or directly to a booster/amplifier without high-level input or via an external fader! You can connect the loudspeaker leads directly to an amplifier with high-level inputs. The connection is shown in the following table.

Side & pol.	Front / colour	Pin	Rear / colour	Pin
Left (+)	Green	[B5]	White	[B7]
Left (-)	Green / black	[B6]	White / black	[B8]
Right (+)	Grey	[B3]	Blue	[B1]
Right (-)	Grey / black	[B4]	Blue / black	[B2]

1) For this accessory, please contact your dealer.

### Preampl Out

You can connect a power amplifier with 2 or 4 (need to share) additional loudspeakers to this headunit using the RCA cable (refer to pasted connection label).

- Red RCA to right channel
- White RCA to left channel

### Wires of Steering Wheel Remote Control (SWRC)

Some main functions of this headunit can be operated from your existing in-vehicle SWRC, if available and suitable for usage. If your vehicle's SWRC is based on 2-wire RC-3 compatible configuration, it can be directly connected to the headunit's pair of SWRC wires.

- Please program the headunit to recognise your vehicle's SWRC commands first before using.
- You may need to turn on the SWRC inside the SAM after programming. Please check the SAM.

In case you are not sure of the steps, please contact your dealer for assistance.

## Wire of Telephone Mute

If your mounted hands-free car kit of your mobile phone provides a mute signal wire, you can connect this wire to the headunit's telephone mute wire to enable automatic interruption of the headunit's sound output during an incoming phone call.

- Please ensure that both wires are secured properly and not tensioned, otherwise any strong vibration inside the vehicle will break the contacts apart.
- Please tape and cover the connection ends to prevent any accidental short-circuit to the in-vehicle metal chassis.

## Wire of Remote Amplifier

For certain models, there is a remote amplifier wire connected at the rear of the headunit. Connect this wire to the "enable" signal of your remote power amplifier, and connecting the Preamp Out to the audio input too.

Otherwise (if there is no remote amplifier wire), you might have to share the '[A5] Antenna control' signal with the remote antenna.

Note: Check the current requirements of both your remote amplifier and remote antenna and make sure they do not exceed 300 mA.

# MOUNTING

## Metal Sleeve (fig. J & K)

Install the metal sleeve in the dashboard. For optimal performance of the headunit, the metal sleeve should be positioned horizontally (between -10° and +30°). Fix the metal sleeve into place with the aid of a screwdriver.

## Connecting the Headunit (fig. L & M)

- Ensure that the battery is disconnected.
- Insert the power supply connector A into socket A.
- Insert loudspeaker connector B into socket B.
- (Optional) Connect the preamp out RCA-pair to the leads of the power amplifier (if present) using a pair of male-RCA cable (not provided).
- Insert the aerial plug into the aerial socket (good reception is only possible with a good aerial). If an antenna adaptor is needed, please consult your dealer.

## Mounting the Headunit (fig. U & V)

This headunit can be properly installed either from the conventional Front Mounting and/or from Rear Mounting.

### Front Mounting (DIN slot)

- Slide the headunit into the metal sleeve until the springs at either side of the headunit snap into the openings of the sleeve.
- Finally reconnect the negative car battery terminal.

### Rear Mounting (JIN slot)

- Remove the frame front of your headunit.
- Insert the headunit through the backside of the dashboard until the brackets on either side is aligned with the screw holes.
- Screw both sides of your headunit with M5 x 6 mm max. length screws (for these items, please contact your dealer).
- Mount the frame front,
- Finally, reconnect the negative car battery terminal.

## Removing the Headunit (fig. T & U)

- Press the REL button and detach the front panel.
- Insert both removal keys into the holes on the front of the headunit until they lock.
- Press (inward) the two catches on the side until they unlock.
- Pull out the headunit.

## Replacing the Fuse (fig. L & M)

- Replace with a 15A blade-type fuse.
- The new fuse must be of exact value and type, otherwise the headunit will not be adequately protected. Ignoring this procedure may lead to damage of the headunit, which will invalidate the guarantee.

## Interference suppression

- Most modern cars have sufficient interference suppression. If you experience interference generated by the vehicle, please consult your dealer.

## Location of the Bluetooth Microphone Module

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- The distance between driver and the Bluetooth Microphone Module should be within 700 mm with no obstacle in-between. The said module should be placed in the front near the centre console, for example, besides the headunit.

## SECURITY

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### Removing the Front (fig. O - Q)

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1. Press the REL button, to flip-down the front.
2. Push the front lightly to the left side and pull the front towards you.
3. Take the detachable front with you when you leave your vehicle.
4. Keep the front in the provided protective case.

### Inserting the Front (fig. R - T)

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1. Take the front from its protective case.
2. Align the front against the left-side hinge of the headunit.
3. Push the front lightly against the left-side hinge and insert the front into the headunit until it clicks into position.
4. Close the front until it clicks into position.

## FRONT PANEL AND REMOTE CONTROL

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See figures A and B.

Headunit	Remote Control	Action	Tuner	CD, USB *, SD / MMC * & Aux	Blue-tooth *	SAM, SOUND
	(2)					
		SP	Mute			
	(1)					
(1)		LP	Power On / Off			
① PWR MUTE	(11)					Select previous option (for current menu item)
		CCW	Decrease (lower) volume	Decrease (lower) volume		
	(10)					Select next option (for current menu item)
		CW	Increase (higher) volume	Increase (higher) volume		
(2)	(2)					
		SP	Change source			(n.a.)
	-	LP				
	(3)			Enter SAM menu		In SAM menu: Select next item
		SP				
AST	-	LP	Activate Auto Store	(n.a.)	(n.a.)	In SAM menu: Exit SAM menu
	(4)					
		SP	Enter SOUND menu			In SAM menu: Enter SOUND menu
SOUND	-	LP				
	(5)					In SOUND menu: Select next item
		SP	Change Tuner Band	Change to Tuner mode		
PTY	-	LP	Activate / deactivate station search by programme type			
	(6)					
	-	SP	Activate / Deactivate Traffic Announcement			
AF	-	LP	Activate / Deactivate Alternate Frequency			(n.a.)
	(7)					
		SP	Manual search frequency up (PTY mode: select next programme type)		Select next track	
	(6)					
		LP	Track fast-forward (continuously press)		(A2DP mode)	Select next menu item

Headunit	Remote Control	Action	Tuner	CD, USB *, SD / MMC * & Aux	Blue-tooth *	SAM, SOUND
(8) 	(9) 	SP LP	Auto search frequency down (PTY mode: select previous programme type) LP	Track fast-rewind (continuously press)	Select previous track (A2DP mode)	Select previous menu item
(9) 	(12) 	SP LP	Auto search frequency down (PTY mode: starts program search down)	Select previous track	Select previous track (A2DP mode)	Select previous menu item
(10) 	(7) 	SP LP	Manual search frequency up (PTY mode: starts program search up)	Select next track	Select next track (A2DP mode)	Select next menu item
(11) 	-	SP LP	Select preset 1 Store current station into preset 1	Toggle SCAN mode (off / 10 sec per track)	(n.a.)	(n.a.)
(12) 	-	SP LP	Select preset 2 Store current station into preset 2	Toggle REPEAT mode (off / single / folder / all)	(n.a.)	(n.a.)
(13) 	-	SP LP	Select preset 3 Store current station into preset 3	Toggle RANDOM mode (off / folder / all)	(n.a.)	(n.a.)
(14) 	-	SP LP	Select preset 4 Store current station into preset 4	Jump 10 tracks backward (for CA playback only) Select previous folder (for CA playback with folders)	(n.a.)	(n.a.)
(15) 	-	SP LP	Select preset 5 Store current station into preset 5	Jump 10 tracks forward (for CA playback only) Select next folder (for CA playback with folders)	(n.a.)	(n.a.)
(16) 	-	SP LP	Select preset 6 Store current station into preset 6	Toggle ID3 text (only for MP3)	(n.a.)	(n.a.)
(17) 	-	-	Release the front			
(18) 	-	-	Eject the CD (if a CD is inside)			

Note:

\* Depending on model  
SP: Short Press

LP: Long Press

CA: Compressed Audio  
CCW: Counter-clockwise

(n.a.): No Action  
CW: Clockwise

# GENERAL OPERATION

## Switching On / Off

To switch on the headunit, short-press the  knob.

To switch off the headunit, long-press the  button.

## Selecting a Source

Your headunit is designed for different types of sources, depending on your headunit model.

- RADIO
- CD
- AUX
- USB
- SD/MMC
- BLUETOOTH

Short-press the  button to change the source. If the external media, e.g. CD or SD card, is connected or inserted, the corresponding source will become available for selection.

## AUDIO

### Setting the Start-up Volume

1. Navigate the SAM \* to select 'START'.

\* Please see 'SOFTWARE ACCESS MENU (SAM)' section for steps on navigating the menu.

2. Turn the knob to adjust the starting volume to a comfortable level.

Note: If the headunit was previously at a higher volume level when you turned it off, after you turn on the headunit, it will use the starting volume. Otherwise, the headunit will remember the previous volume level.

## SOUND Menu

You can select the different sound settings from the SOUND menu. To navigate the SOUND menu:

- Short-press the  button to enter the SOUND menu.
- Short-press either  or  button to select the next SOUND item; or short-press the either  or  button to select the previous SOUND item.
- Turn the knob clockwise or counter-clockwise to choose the option.
- Long-press the  button to exit the menu.

Note: The headunit will automatically exit the SOUND menu after 6 seconds of inaction.

Option	Setting
(◀/▼ or ▶/▲)	(turn the knob)
LOUDNESS	[OFF, 1, 2, 3]
STYLE	[JAZZ, POP, CLASSIC, USER, VOCAL, FLAT]
BASS (only in 'USER' style)	[-7 to 0 to +7]
TREBLE (only in 'USER' style)	[-7 to 0 to +7]
BALANCE	[L7 to 0 to R7]
FADER	[F7 to 0 to B7]

## Mute (silence)

When the headunit is switched on, short-press the  knob to mute the sound. If a media (e.g. CD, USB or SD/MMC) is playing, it will be paused. Short-press the same knob again to un-mute the sound and the media will continue playing.

Note: Turning the volume knob to 'VOLUME 0' will also mute the sound, but if the current source is USB, SD / MMC or CD, the media will continue playing in the background.

## Balancing the Volume for Different Sources

You can adjust the volume offset between your sources, with reference to the tuner, so that in-between switching from one source to another, there is less annoying sudden change in volume level and you may not need to adjust the volume again.

You can adjust the volume-offset level for CD, compressed audio, auxiliary and Bluetooth individually. For example, to adjust the volume offset level of the CD:

1. Navigate the SAM to select 'CD LEVEL'.
2. Turn the knob clockwise / anti-clockwise to change the offset level (relative to tuner volume level).

Do the same thing for rest of the sources / types, if necessary, to your preferences.

## RADIO

### Region Setting

This headunit is customizable according to the region that you live in for best-reception. To change the region:

1. Navigate the SAM to select 'REGION'.
2. Turn the knob clockwise / anti-clockwise to select your region.

## AM Band

For ease of operation, you may turn-off the AM bands, totally or individually for MW or LW, in the case that you do not need to use them. To toggle the AM setting:

1. Navigate the SAM to select 'AM'.
2. Turn the knob clockwise / anti-clockwise to turn on or off MW, LW or both (AM).

Note: After turning off a certain band (e.g. LW OFF), LW band is not selectable when you press the  button.

## Select a Waveband

Your headunit is designed for reception of the FM, MW and LW wavebands.

- FM1
- FM2
- FM3 (AST)
- MW1
- MW2 (AST)
- LW

1. Short-press the  button to change the waveband.

## Select a Station

### Auto-Seek Tuning

1. Short-press either  (frequency down) or  (frequency up) button to seek for a station. The headunit will scan for the next strong station.

### Manual Tuning

1. Short-press either  (frequency up) or  (frequency down) button to change the radio frequency. Continue pressing until the desired station is selected.

## Storing a Station

### Auto Store (AST)

Long-press the  button in any of the FM band or MW band and the headunit will automatically search for the first six strong stations and store them automatically on FM3 (FM auto-store while in FM band) or MW2 (MW auto-store while in MW band); and under the preset memory buttons 1 to 6.

Note: AST function will work only in the Tuner mode, otherwise nothing will happen in other modes (to prevent accidental activation of AST when trying to enter SAM).

## Manual Store

1. Short-press the  button to select the desired band – FM1, FM2, FM3, MW1, MW2 or LW.
2. Tune to a desired radio station.
3. Long-press any of the six preset buttons to store the current radio station.

The number (of a preset station) will be displayed next to the radio frequency. For each band, you can store up to six radio stations.

## RADIO DATA SYSTEM (RDS)

This feature is only available in the FM band. Many FM stations broadcast RDS information. This headunit uses RDS information to offer you many advantages, including:

### Display of Station Name (PS)

The radio displays the name of the station instead of its frequency.

### Alternate Frequency (AF)

The headunit remains tuned to the current station by continually searching for the best possible alternate frequency for reception.

Note: You can switch off the AF function, if not required. Long-press the  button to toggle on or toggle off the AF function. Alternatively, go to SAM and change the 'AF' menu item.

### Traffic Programme (TP) and Traffic Announcement (TA)

You can activate the TA mode (includes TP) to give priority to hear announcements related to traffic subjects, even if you are listening to the radio. This function is only available with RDS on.

### Presetting TA Volume

With this option, the volume for Traffic Announcements can be preset to the required level.

1. Short-press the  button to enter SAM. TA volume setting is the first menu item.
2. Turn the knob clockwise / anti-clockwise to set the preferred TA volume.

### TA Activation / De-activation

1. Short-press  button to activate / de-activate TA. The indication "TP" in the display will reflect the availability of the TA. When traffic announcement is selected and information is received, "TR" appears on the display.

## Interrupting TA

If you do not wish to continue listening to a particular Traffic Announcement broadcast, you can interrupt it without switching off the TA mode.

1. Short-press the  button once, the headunit will return to the previous operating mode.

## Enhanced other Network (EON)

EON information allows the updating of RDS information for programme services other than the currently tuned station. By default, this EON function is enabled. To toggle the settings:

1. Navigate the SAM to select 'TA EON'.
2. Turn the knob clockwise / anti-clockwise to toggle the modes (Off, Local or Distant).

Note: The reception of distant stations, which may be weaker due to its distance, may be bad and the audio output may be distorted as a result.

## Programme Type (PTY)

This function is available with FM only. It enables you to select stations by programme type. There is a coding of up to 28 pre-defined programme types – e.g. (in Europe): PTY1 News, PTY6 Drama, PTY11 Rock music.

### Searching for a Programme Type

1. Long-press  button to activate the PTY function.
2. Short-press either  button or  button to select the desired programme type.
3. Short-press either  button or  button to search for PTY stations.

### PTY Activation / De-activation

To change the operation mode of the PTY, you need to change the setting in the SAM.

1. Navigate the SAM to select 'PTY'.
2. Turn the knob clockwise / anti-clockwise to toggle the PTY setting.

Note: Setting 'PTY' menu item to 'NEWS INT' will allow PTY-NEWS to interrupt (in a similar way as TA interruption) when there is an incoming NEWS.

### RDS Regionalization

To change the way this headunit reacts to the environmental conditions affecting the quality of the radio stations, you can change the setting in the SAM.

1. Navigate the SAM to select 'REG-RDS'.
2. Turn the knob clockwise / anti-clockwise to toggle the REG-RDS setting.

## CD OPERATION

### Loading CD into the Headunit

1. If not already on, short-press the  button to turn on the headunit.
2. Press the  button to flip down the front.
3. Insert the CD (label facing up) into the CD slot.
4. Close the front.
5. The display should show "CD READ" while still reading the disc.

When a disc is loaded, it will start playing automatically.

Note: If a CD does not automatically load, DO NOT FORCE it into the slot. This could damage the CD and the headunit.

### Ejecting a CD

1. Press the REL button to flip down the front.
2. Press the EJECT button to eject the disc.
3. Remove the disc.
4. Close the front.

### Playing a CD-R or CD-RW

Depending on the type of CD-R / CD-RW CD, surface condition of the disc, as well as the performance and condition of the CD writer, certain CD-R / CD-RW CD may not operate normally on this headunit.

### Playing a "Copy-Protected" non-conforming audio CD

Due to the use of copy protection schemes of some audio CDs, which are non-conforming to international audio CDs standards (Red Book), these types of copy-protected disc(s) may not play on this headunit.

In the case of multi-session disc with such schemes, you may try to disable the multi-session ability by changing the SAM setting to allow reading of at least the first session.

1. Navigate the SAM to select 'MULTI-S'.
2. Turn the knob clockwise / anti-clockwise to toggle the multi-session support.

Try playing the "copy-protected" disc again.

Note: Remember to enable the multi-session support again in the SAM after playing this disc!

## Listening to Music

### Multi-Session Disc

For multi-session discs, if the first track is a data track, the disc will be treated as compressed audio disc. However, if no compressed audio file was found throughout the disc, then it will be treated as an audio disc.

If the first track is an audio track, the disc will be treated as an audio disc.

### TA / NEWS Interruption

If TA and/or NEWS are set to ON, incoming announcements will interrupt CD playback. Your CD will be paused and it will resume playing after the interruption.

### Track Selection

1. Short-press either  $\blacktriangle$  or  $\blacktriangledown$  button to skip to the previous or next track respectively.

### Fast-Forward or Fast-Backward a Track

1. Press and hold either the  $\blackleftarrow$  or  $\blackrightarrow$  button to fast-forward or fast-backward the track respectively.

### Scan Feature

1. Short-press  $\textcircled{1}$  button to toggle the Scan function.
  - SCN OFF – No scanning of songs
  - SCN ON – Scan each song for between 5 to 20 seconds, depending on SAM setting

To stop scanning, short-press  $\textcircled{1}$  button again.

To set the scan time in the SAM:

1. Navigate the SAM to select 'SCAN TIME'.
2. Turn the knob clockwise / anti-clockwise to toggle the scan time (5 secs, 10 secs or 20 secs).

### Repeat Feature

Short-press  $\textcircled{2}$  button (a few times) to toggle the Repeat function.

- RPT OFF – No repeat
- RPT SONG – Repeat current song
- RPT DIR – Repeat current directory / folder (for compressed audio disc with more than 1 folder only)
- RPT ALL – Repeat the whole disc

### Random Feature

Short-press  $\textcircled{3}$  button (a few times) to toggle the Random function.

- RND OFF – No random mode
- RND DIR – Random-playback all songs in current directory / folder (for compressed audio disc with more than 1 folder only)
- RND ALL – Random-playback all songs on the whole disc

## USB AND SD/MMC OPERATION

### General

Refer to sections on 'Notes on SD/MMC' and on 'Notes on USB' for more information on the compatibility and support of multimedia cards and devices.

### Auto-Play

You can use the SD or MMC card or an USB device to play music files.

1. If not already on, short-press the  $\textcircled{PWR MUTE}$  button to turn on the headunit.
2. Insert the card or device into their respective SD/MMC card slot or USB port.

Note: When the card or device is inserted, it will play automatically, unless the current event (e.g. Traffic Announcement) is of higher priority. Refer to 'Notes on Priority' for more information.

### Operations of USB and SD/MMC

The operations of the USB function and the SD/MMC function are similar to the CD function. Please refer to the section on 'CD OPERATION' for handling these features:

- Track Selection
- Fast-Forward or Fast-Backward
- Scan
- Repeat
- Random

### TA / NEWS Interruption

If TA and/or NEWS are set to ON, incoming announcements will interrupt media playback. Your media will be paused and it will resume playing after the interruption.

# BLUETOOTH OPERATION

## General

You can use the Bluetooth in your car to make a phone call hands-free or stream music onto your in-car speakers (via this headunit).

## Controls (fig. K)

Button	Bluetooth status		
	Inactive	Handsfree (HFP/HSP)	Music-streaming (A2DP)
	(n.a.)	Reject phone (incoming call)	-
	Press more than 2 secs to start pairing	Answer phone (incoming call) Hang-up phone (call active)	Answer phone * (incoming call)

\* Only when 'HFP 1ST' is selected inside the SAM.

## Pairing

To pair your Bluetooth-enabled device to this headunit, make sure that no device is currently streaming to this headunit first.

1. Press the  button for more than 2 seconds to enter the pairing mode. The headunit will enter into a "Find Me" mode.
2. Enable your device to perform a scan of available devices to find the headunit.

For more details, please check the user manual of your Bluetooth-enabled device.

3. Once found, you should see "DAYTON" as the found device and you can pair your device with the headunit.
4. The default 4-digit pin is "0000".

Note: Whenever there is at least one paired device active, the headunit will light-up the Bluetooth icon.

## Paired Devices

This headunit is able to store up to eight Bluetooth-enabled devices (consisting of a mixture of mobile phones or music-players). If a ninth device starts pairing, it will replace the device that was used longest ago.

## Hands-Free Call

### Answer a call

You will hear the ring tone from the in-car speakers.

1. To answer the call, simply short-press the 

### Reject a call

1. If you do not wish to answer the incoming call, simply short-press the 

## Hang-up a call

1. After you have answered the phone call, and you wish to hang-up, simply short-press the 

## Music Streaming

If your Bluetooth-enabled music device has already been paired with this headunit before, simply turn on the Bluetooth function of your music device and the headunit will react accordingly.

- If 'A2DP 1ST' was selected in SAM, then the headunit will automatically switch to Bluetooth source and starts music streaming onto the in-car speakers.
- If 'HFP 1ST' was selected in SAM, then the headunit will light-up the 

# AUX OPERATION

This headunit comes with an Auxiliary input (3.5 mm jack) on the front for ease of streaming your music from your portable devices.

1. Insert your 3.5 mm plug (connected to your portable device) into the front Aux input.
2. Short-press the - 3. Play your portable device.

# SPECIAL FUNCTIONS

## Clock

You can select automatic update of the clock via the RDS radio signal or manually adjust the clock yourself. The clock will be displayed when the headunit is powered-off. In case you need to save battery life, you may turn off the clock display too.

1. Navigate the SAM to select 'CLOCK'.
2. Turn the knob clockwise / anti-clockwise to select the type of clock functions (RDS clock, manual clock or clock off).

Note: If you select 'MAN CLK', menu item, 'CLOCKSET', is selectable as the next menu item. Refer to the 'SOFTWARE ACCESS MENU (SAM)' for adjusting the clock.

## Telephone Mute

This headunit was designed to interface with different types of hands-free kits that provide telephone mute cables. Please read the instruction manual of your hands-free kit on its mute logic level (either mute-high or mute-low).

1. Navigate the SAM to select 'TEL MUTE'.
2. Turn the knob clockwise / anti-clockwise to toggle the logic level according to your hands-free kit type.

Note: In the case that your headunit always remains in 'TEL MUTE' mode, that is, sound is muted, you can try to reverse the logic level (e.g. from 'TELM HI' to 'TELM LO'). If this still does not work, perhaps your hands-free kit is not compatible with this headunit and it is best to turn the 'TEL MUTE' function to 'TELM OFF'.

## Brightness Control

This headunit comes with two levels of brightness level. To adjust the brightness:

1. Navigate the SAM to select 'BRIGHTNESS'.
2. Turn the knob clockwise / anti-clockwise to select the brightness level.

## Illumination Colour

To allow best integration into your car dashboard, the headunit comes with three types of colours scheme, namely Orange, Green or Mixed of Orange and Green. To change the illumination colour:

1. Navigate the SAM to select 'COLOR'.
2. Turn the knob clockwise / anti-clockwise to select the colour scheme.

## Security LED

The blinking security LED can deter potential theft of your headunit, even after your front panel is removed. However, if you wish to save your battery life, you can turn off this LED.

1. Navigate the SAM to select 'LED'.
2. Turn the knob clockwise / anti-clockwise to turn on or off the blinking LED.

## Speed Dependent Volume Control (SDVC)

To compensate for surrounding noise, this function automatically increases the volume of the headunit with respect to the car's speed. There are two compensation levels selectable from the SAM. Level 1 gives a smaller increase (in volume) and level 2 gives a higher increase.

## Calibration

**CAUTION: To avoid unnecessary distraction, we advise that this procedure be carried out with the assistance of somebody else (front passenger).**

1. While the car is stationary, press-and-hold both  and  buttons at the same time.
2. The headunit will mute and show "RE-CALIB" and "50 KM/H" alternatively.
3. Within 30 seconds, drive your car to 50 km/h (about 30 mph).

Important note: Always obey the Highway Code and the current traffic restrictions and conditions!

4. Once the speed is reached, short-press the  button and you will hear a beep and the display will show "CALIB OK".
5. Turn off and then turn on your headunit again and level 1 of the SDVC is automatically selected.

Note: This headunit's SDVC works on frequency-based signal (PCM) rather than on width-based signal (PWM). Some vehicles come with PWM signals and are therefore not compatible with this SDVC function.

## Steering Wheel Remote Control (SWRC)

This headunit is specially designed with a programmable Steering Wheel Remote Control (SWRC) to suit your car built-in SWRC as much as possible.

Important note: This function supports SWRCs that are based on analogue RC3-standard only. Other SWRCs, especially those based on CAN-bus, are not supported. For these SWRCs, please consult your dealer for a suitable converter, if available.

1. While the car is stationary, press-and-hold both  and  buttons at the same time.
2. The headunit will mute and show "PROG SWRC" for one second.
3. After that, the headunit will prompt you the first programmable function, that is, "VOLUME-".
4. Rotate the volume knob clockwise or anti-clockwise to navigate through the functions.
5. Match a suitable SWRC buttons (e.g. "VOL-" or "-") with the one of the pre-defined functions that is displayed (e.g. "VOLUME-") by pressing and holding the corresponding SWRC button for more than 2 secs.
6. If the headunit recognizes the input as stable, it will capture the key-press input, give a confirmation beep, and will show "PROG OK".

7. Continue programming your SWRC's buttons to the pre-defined as much as possible with the same steps.
8. For those buttons that you do not need, please disabled them by selecting "-DISABLE-" and press-and-hold the unwanted buttons for more than 2 seconds.

Important Note: In the case that you did not disable the unwanted SWRC buttons, due to the complexity of the programming to cater to most types of SWRC, the headunit may recognise an unwanted key-press on your SWRC as one of the valid input.

9. Continue to select "-DISABLE-" and repeat the process to disable all unwanted buttons.
10. To exit the programming mode and SAVE all settings, short-press the  button.
11. To exit the programming mode and DISCARD all settings, short-press the  button.

These pre-defined functions emulate the buttons on the front panel:

- Volume-
- Volume+
- Source
- Right
- Left
- Up
- Down
- Mute
- -Disable-

Please refer to the section on "FRONT PANEL AND REMOTE CONTROL" for buttons' functionalities.

## SOFTWARE ACCESS MENU (SAM)

It is possible to customize your headunit settings to your personal preferences via the SAM. To navigate the SAM, here are the steps:

- Short-press the  button to enter the SAM.
- Short-press  or  button to select the next SAM menu item; or short-press the  or  button to select the previous SAM menu item.
- Turn the knob clockwise or counter-clockwise to choose the desired option.
- Long-press the  button to exit the SAM.

Note: The headunit will automatically exit SAM after 6 seconds of inaction.

Option (  /  or  /  )	Setting (turn the knob)	Usage
TAVOL	[1 to 26]	Select the volume level of Traffic Announcement, News bulletins and Alarm messages.
START	[1 to 26]	<p>Limit the starting volume when the headunit is turned on (to prevent sudden loud surprise to the driver especially)</p> <ul style="list-style-type: none"> <li>• If the last-volume (before the headunit is turned off) is higher than the starting volume or muted, then after turning on, the turn-on volume is limited at the starting volume</li> <li>• If the last-volume is lower than the starting volume (except muted), the turn-on volume will be at the same level as the last-volume</li> </ul>
CD LEVEL	[-2, -1, 0, +1, +2]	Select the Compact Disc volume offset relative to the tuner volume
CA LEVEL	[-2, -1, 0, +1, +2]	Select the Compressed Audio (MP3 or WMA) volume offset relative to the tuner volume
AUX LEVEL	[-2, -1, 0, +1, +2]	Select the Auxiliary volume offset relative to the tuner volume
BT LEVEL	[-2, -1, 0, +1, +2]	Select the Bluetooth volume offset relative to the tuner volume
BEEP	[OFF, ON]	Activate / Deactivate the confirmation beep tone
SDVC	[OFF, 1, 2]	<p>Select the Speed Dependent Volume Control (SDVC) compensation level (only when pin A1 is connected and calibrated; please refer to the 'INSTALLATION' page)</p> <ul style="list-style-type: none"> <li>• Level 1 gives a smaller increase (in volume) while level 2 gives a greater increase (in volume) with respect to the vehicle's speed</li> </ul>
SWRC	[OFF, ON]	Activate / Deactivate the steering wheel remote control
TEL MUTE	[OFF, LO, HI]	<p>Select the logic level of your connected hands-free car kit (HFK) mute cable</p> <ul style="list-style-type: none"> <li>• Select 'TELM OFF' if no HFK is connected</li> <li>• Select 'TELM LO' if the incoming HFK mute signal is at 0V</li> <li>• Select 'TELM HI' if the incoming HFK mute signal is at 12V</li> </ul> <p>Please refer to the instruction manual of your purchased HFK.</p>
CLOCK	[OFF, RDS, MAN]	<p>Select 'CLOCK RDS' to activate the RDS clock or 'CLOCK MAN' to set the clock manually.</p> <p>Note: Selecting 'CLOCK OFF' will disable the clock display when the headunit is in stand-by / off mode; hence, it will help prolong your battery.</p>
CLOCK SET (available when 'CLOCK MAN' is se- lected)	[12H hh:mm, 24H HH:MM]	<p>If 'CLOCK MAN' is selected, this menu item is available for customization.</p> <ul style="list-style-type: none"> <li>• Short-press  or  button to select the 12H/24H-digit, hour-digit or minute-digit</li> <li>• Rotate the knob to adjust the selected digits</li> </ul>

Option (◀/▼ or ▶/▲) (turn the knob)	Setting	Usage
BRIGHTNESS [1, 2]		Select the level (1 or 2) of brightness for the display and button illumination. ● Level 2 is brighter than level 1
COLOR	[ORANGE, GREEN, MIXED]	Select the colour of the display and button illuminations.
LOGIC	[OFF, ON]	<p>Logic On:</p> <ul style="list-style-type: none"> <li>When the headunit is in stand-by mode (or power-on mode) before your vehicle ignition is turned off, the headunit will remain in stand-by mode (or will turn-on mode) after the same ignition is turn on again.</li> <li>You may still operate the headunit for 1 hour even when your vehicle ignition is turned off.</li> </ul> <p>Logic Off:</p> <ul style="list-style-type: none"> <li>The headunit will remain in stand-by mode when the vehicle ignition is turned on again regardless of its previous state.</li> <li>Turning-on the headunit is prevented when the vehicle ignition is not turned on</li> </ul> <p>Note: 'LOGIC' function will work correctly only when both A4 and A7 pins are connected correctly (refer to 'INSTALLATION' page).</p>
LED	[OFF, ON]	Select 'LED OFF' to turn off the flashing security light when the detachable front panel is removed.
MULTI-S	[OFF, ON]	Select 'MULTI OFF' to turn off support for multi-session discs and only the 1st session is playable. This is useful for playing copy-protected discs.
SCROLL	[OFF, ONCE, ON]	Select the scroll mode for the song details (e.g. title, artists, etc). ● 'SCRL ONCE' will scroll the song details once ● 'SCRL ON' will continuously scroll the song details
SCAN TIME	[5S, 10S, 20S]	Select the scanning time (5 sec, 10 sec or 20 sec) for the ① feature when playing the inserted media (e.g. CD, USB, SD / MMC)
REGION	[EUROPE, AMERICA, ASIA, LATAM]	Select the tuner according to the regional standards.
AF	[OFF, ON]	Select 'AF OFF' to prevent the headunit from choosing alternate frequencies.
AM	[AM OFF, MW OFF, LW OFF, AM ON]	Choose your AM modes: ● 'AM OFF' will disable MW and LW bands ● 'MW OFF' will suppress MW bands ● 'LW OFF' will suppress LW band
REG-RDS	[RDS OFF, REG OFF, REG ON, REG AUTO]	Select the various Radio Data System (RDS) modes: ● Select 'REG ON' to maintain regional programme ● Select 'REG AUTO' to switch programme when the next signal is stronger ● Select 'REG OFF' to directly switch to the program of the next region ● Select 'RDS OFF' to turn off the RDS feature

Option (◀/▼ or ▶/▲)	Setting (turn the knob)	Usage
TA EON	[OFF, LO, DX]	<p>Select 'EON DX' to allow distant EON stations broadcast.</p> <p>Note: The quality of reception (and hence sound output) of the distant EON stations may be poor</p>
PTY	[PTY OFF, PTY ON, NEWS INT]	<p>Select the various Programme Type (PTY) modes:</p> <ul style="list-style-type: none"> <li>● Select 'PTY OFF' to turn off this PTY function</li> <li>● Select 'PTY ON' to turn on this PTY function</li> <li>● Select 'NEWS INT' to turn on the PTY function and to allow NEWS interrupt on top of the TA interrupt</li> </ul>
BLUETOOTH	[BT OFF, HFP 1ST, A2DP 1ST, 1 <sup>ST</sup> DEVICE]	<ul style="list-style-type: none"> <li>● Activate the Bluetooth function as follows:</li> <li>● Select 'HFP 1ST' to allow the first detected Bluetooth handsfree device (HFP or HSP profile) to take priority (including interrupting current A2DP connection)</li> <li>● Select 'A2DP 1ST' to allow the first detected Bluetooth music streaming device (A2DP profile) to take priority (including interrupting current HFP/HSP connection)</li> <li>● Select '1<sup>ST</sup> DEVICE' to allow the first connected Bluetooth device to maintain connection (no interruption)</li> <li>● Select 'BT OFF' to de-activate the Bluetooth function</li> </ul>

## TROUBLESHOOTING

Maybe, it will happen that your headunit will not function as you expected it to be. Before calling for service, please read this user manual and review carefully the setting values. You may find that a function cannot work properly with the values you defined. Nevertheless, if you need to send your headunit for reparation, always send it complete with detachable front (do not try to open the headunit to service it by yourself).

In the case whereby your headunit freezes, please flip down the front and use a pen or pencil to poke the "RESET" hole.

### NO POWER Verification

The headunit does not function.

- Make sure that the headunit is well inserted in the dashboard (see MOUNTING).
- Make sure that the headunit is well connected (see INSTALLATION).
- Switch on the headunit again.
- The headunit does not function and the display screen does not light up.
- Check the fuse (see INSTALLATION).

### NO SOUND Verification

The display screen lights up but the headunit gives no sound (or only a whistle).

- Increase the volume; and if you are listening to the radio station, move to an area where the reception of the station is better.
- Check the antenna and its connection (see INSTALLATION).
- Check if the radio station search is finished.
- Verify the speakers' connections (see INSTALLATION) and the speakers balance (SOUND SETTINGS).
  - ⇒ There is no sound from the loudspeakers (front and rear) from any of the sources.
  - ⇒ There is no sound from the sub woofer after having connected an external amplifier.
- Verify your external amplifier installation.
  - ⇒ Check the connection of the external amplifier to the PREAMP OUT (see INSTALLATION).

### SOUND TROUBLE Verification

The sound level is too low during traffic announcements.

- Adjust the volume setting for traffic announcements (see "Presetting TA Volume").

### CD ERRORS Verification

- During playback, the headunit does not function and displays "CD ERROR".
- Make sure that the CD is properly inserted into the headunit.
- Check whether the headunit contains a CD.
- Make sure that the CD is correctly inserted; not dirty, exotic or damaged; and the front of the headunit is properly shut.

### USB & SD / MMC ERRORS Verification

The headunit cannot connect to the MP3 player / USB / SD / MMC device.

- The inserted device must use the Microsoft Windows FAT System.
- The headunit does not support portable USB hard disk (note that the sourcing current of the portable hard disk is beyond the headunit's capability)
- Check the encoding formats of the songs on your device (see "Notes on MP3" and "Notes on WMA").

### **\*\*\* Caution \*\*\***

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes of modifications not expressly approved by the party responsible for compliance could void the user 's authority to operate the equipment.

### **FCC statement**

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.