



NCE1DBT

Instruction Manual



50W x4 HIGH POWER

DVD / MULTIMEDIA PLAYER
RECEIVER & BLUETOOTH



AM/FM
RADIO TUNER



WMA



AUX
INPUT

Bluetooth

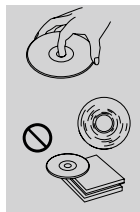
Safety Precautions

Precautions

- Use only in a 12-volt DC negative-ground electrical system.
- When replacing the fuse, be sure to use one with an identical amperage rating. Using a fuse with a higher amperage rating may cause serious damage to the unit.
- DO NOT attempt to disassemble the unit. Laser beams from the optical pickup are dangerous to the eyes.
- Make sure that pins or other foreign objects do not get inside the unit; they may cause malfunctions, or create safety hazards such as electrical shock or laser beam exposure.
- If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.
- Keep the volume at a level at which you can hear outside warning sound (horns sirens, etc.).
- DO NOT open covers and do not repair yourself. Consult the dealer or an experienced technician for help.
- In addition to ordinary CDs, this unit can playback CD - R or CD - RW, MP3.

Note:

- Playing a defective or dusty disc can cause dropouts in sound.
- Hold discs as illustrated.
- Do not touch the unlabeled side.
- Do not attach any seal, label or data protection sheet to either side of a disc.
- Do not expose a disc to direct sunlight or excessive heat.
- Wipe a dirty disc from the center outward with a cleaning cloth.
- Never use solvents such as benzine or alcohol.
- This unit cannot play 3-inch (8cm) discs.
- Never insert a 3-inch disc contained in the adapter or an irregularly shaped disc. The unit may not be able to eject it.

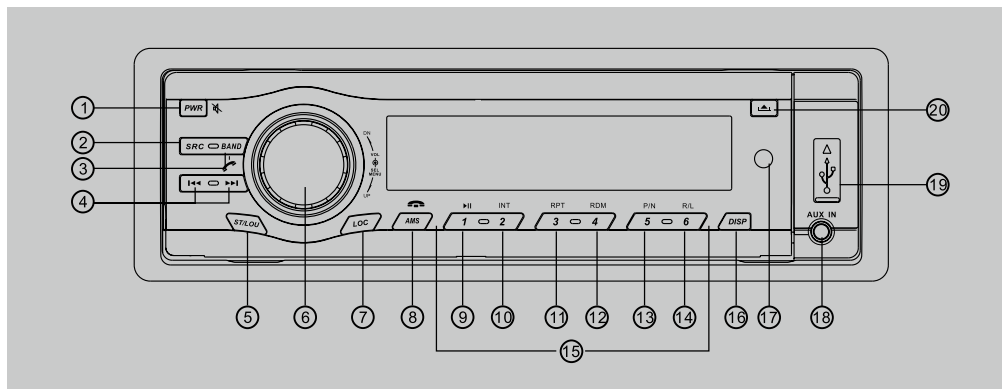


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To provide a clear demonstration and an alternative for easy understanding of the operation of this unit, graphic illustration was used. However, this illustration is not necessary printed as the actual image found on the unit.

Panel Controls

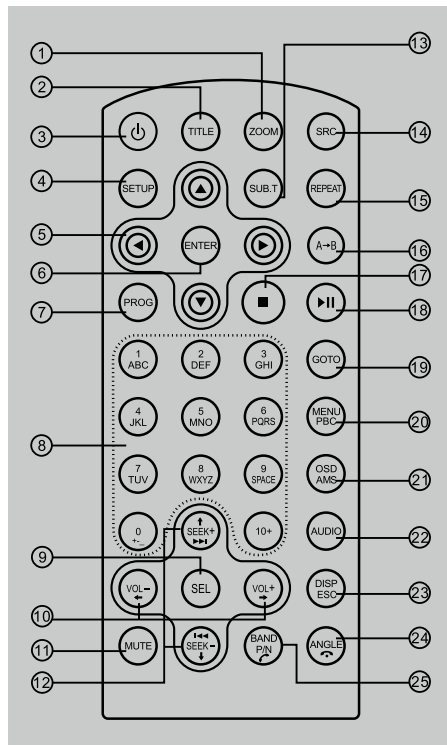
Power on/off: Press PWR to turn on/off the unit.



- | | | |
|---|---|--|
| <ol style="list-style-type: none">1. - Power on/off (press more than 2 seconds)
- Mute2. Source switch: Radio, Disc, USB, SD/MMC Card, Aux-in3. - Band switch: FM-FM2-FM3-MW1-MW2 (Radio mode)
- Dial pick up/Transfer the call (Bluetooth mode)4. - To fast search within a track/skip to next or previous track
- Radio tune5. - Loudness
- FM mono/stereo (Radio mode, press more than 2 seconds)6. - Rotate the knob to adjust volume level. | <ol style="list-style-type: none">- Short press to select audio menu, and rotate the knob to adjust level.
- Long press to enter into setting menu, then each press changes the mode.7. Radio local/distant (Radio mode)8. - Radio station auto preset
- Hang up the call (press more than 2 seconds, in Bluetooth mode)9. Button 1: Play/Pause10. Button 2: Intro play (10 sec)11. Button 3: Track repeat play12. Button 4: Track random play13. Button 5: - Video system NTSC/PAL 60/ PAL/AUTO
- Folder down (MP3) | <ol style="list-style-type: none">14. Button 6: - DVD audio/VCD audio L/R/ST
- Folder up (MP3)15. Button 1~6 Radio Preset:
Press to listen to a preset station, and hold for more than 2 seconds to store station.16. - Short press to switch to clock display, press again to exit.
- Long press to enter clock setting.17. Remote sensor18. AUX in19. USB port20. Panel open |
|---|---|--|

Remote Controls

Power on/off: Press  to turn on/off the unit.



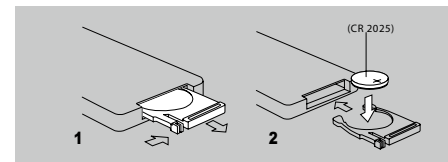
1. Zoom (DVD/VCD only)
2. Title (DVD only)
3. Power on/off
4. Setup
5. Menu cursor
6. Enter
7. Program
8. Digit area
9. - Short press to select audio menu, and rotate the knob to adjust level.
- Long press to enter into setting menu, then each press changes the mode.
10. Volume
11. Mute
12. - Radio tune
- Track skip/seek
13. Subtitle (DVD only)
14. - Radio
- Disc (when disc inserted)
- Card (when SD/MMC inserted)
- USB (when USB inserted)
- Aux-in
15. Repeat
16. Repeat A-B
17. Stop/Return
18. Play/Pause
19. Goto search
20. - DVD menu
- PBC (for VCD 2.0 or up)
21. - OSD: On screen display
- AMS: Radio preset scan / Radio auto preset
22. - DVD audio
- VCD audio L/R/ST

23. - Short press to switch to clock display, press again to exit.
- Long press to enter clock setting.
- Return to previous menu (Setting menu)
24. - Angle (DVD only)
- Terminate call (in BT mode)
25. - Video system NTSC/PAL 60/PAL/AUTO
- Radio band (in Radio mode)
- Dial/Receive call (in BT mode)

Replacing the lithium battery of remote control unit.

When the range of operation of the card remote control becomes short or no function, replace the lithium battery with a new one. Make sure the battery polarity replacement is correct.

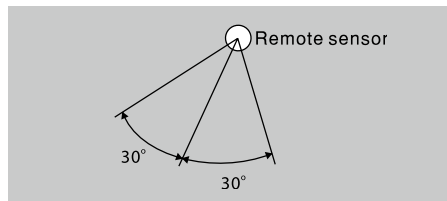
1. Pull out the battery holder while pressing the stopper.
2. Insert the button-type lithium battery with the (+) mark facing upward. Insert the battery holder into the remote control.



Remote Controls

Remote control operating range


The remote control can operate within a distance of 3~5m.

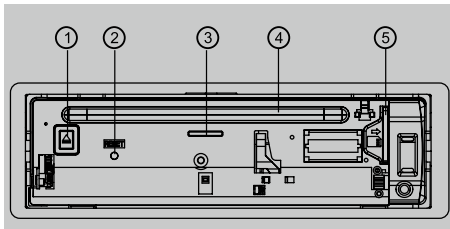



Warning

- Store the battery where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
- Do not recharge, short, disassemble or heat the battery or dispose it in a fire.
- Do not leave the battery with other metallic materials. Otherwise, the battery may start to give off heat, crack or catch fire.
- When throwing away or saving the battery, wrap it in tape and insulate.

Behind the Panel

Press the  button to open the panel.



1. When there is a disc inserted, short press to eject the disc, press and hold more than 2 seconds to eject the disc forcibly.
When there is not a disc inserted, press and hold more than 2 seconds to reset the mechanism core.
 - 2 Reset hole
-  **Note:**
Pressing the RESET hole will erase the clock setting and stored stations.
- 3 Panel status indicator
Light up when you flip the panel down;
Twinkle when you remove the panel.
 - 4 Disc slot, insert the disc.
 - 5 SD/MMC card slot.

General Operation

Switching on and off

1. Press **PWR** to turn on the unit.
2. Press **SRC** once or more to select your desired function: DISC, USB, CARD, Aux (Aux-in), Tuner (Radio).
3. Press **PWR** more than 2 seconds to power off.
4. When you switch off the system or car ignition, the settings, tuner presets and the volume level will be retained in the unit's memory.

Clock Display

Press **DISP** on the panel or on the remote control to display clock time, and press **DISP** again to exit.

Clock Setting

1. Press **DISP** more than 2 seconds, minute display blinks, then rotate the knob to set minute.
2. Press the knob once, hour display blinks, then rotate the knob to set hour.
3. Press **DISP** again to exit.

General Operation

Audio Setting

Press the **VOL** knob to select audio menu: VOL/BAS/TRE/BAL/FAD, and rotate the knob to adjust.

- VOL

Display shows the volume level VOL and number from 0 to 40.

- BAS

Display shows the BASS level.
BASS range: -7 to +7.

- TRE

Display shows the TREBLE level.
TREBLE range: -7 to +7.

- BAL

Display shows the BALANCE level.
BALANCE range: 10 L (full left) to 10 R (full right).
L = left speaker, R = right speaker.

- FAD

Display shows the FADER level.
FADER range: 10 R (full rear) to 10 F (full front).
R = rear speaker, F = front speaker.

Menu Setting

Press the **VOL** knob more than 2 seconds to enter into menu mode, then each press changes the mode.

- EQ Mode

The Equalizer function applies preset sound effects to the unit's audio output signal. Rotate the knob to select EQ sound effect: FLAT- CLASSIC - ROCK - POP - JAZZ - USER
With the equalizer function activated, if bass or treble is adjusted, the EQ Mode will revert to "Off". When the equalizer function is activated, the most recently selected bass/treble levels cannot be adjusted. When the equalizer function is not active, the unit will return to the most recently selected bass and treble levels.

- LOUD ON/ OFF

When listening to music at low volumes, this feature will selectively boost certain bass and treble frequencies.

- BEEP ON/ OFF

The beep tone feature allows the selection of an audible beep tone to be heard each time the menu is accessed.

- SUBW ON/ OFF

Rotate the knob to choose subwoofer-out on or off.

- 12 /24 HOURS

12 HOURS MODE:

The clock displays in the type of 12 hours such as 11:18 AM.

24 HOURS MODE:

The clock displays in the type of 24 hours such as 20:18.

- DX/LOCAL

Selectable when the current source is Radio mode.

Choose radio distant or local.

DX: Stations with strong and weak signals can be broadcast.

LOCAL: Only station with strong signal can be broadcast.

- MONO/STEREO

Selectable when the current source is Radio mode.

This option allows you to select radio FM mono/stereo.

- AREA SET

This option allows you to select the appropriate frequency spacing for your area.

Rotate the knob to choose USA or Europe.

Radio Mode

Selecting a Band

Press **BAND** once or more to select FM1- FM2 - FM3 - AM1 - AM2.

Display shows wave band, frequency, and preset station number if already stored.

Selecting a Station

Press the **▶▶** or **◀◀** tuning button to tune to another station.

Tuning

- AUTO SEEK

Press the **▶▶** or **◀◀** buttons to seek the next/previous station automatically.

- MANUAL SEEK

Press and hold the **▶▶** or **◀◀** buttons to enter manual tuning mode. Press the buttons again to move the radio frequency number up or down one step.



Note:

- During manual seeking, if the pause between two operating steps is longer than 5 seconds, when you continue to press the **▶▶** or **◀◀** buttons, the unit will enter auto seeking.
- During manual seeking, when you press and hold the **▶▶** or **◀◀** buttons, the unit will seek continuously.

Preset Mode

Six numbered preset buttons store and recall stations for each band. The stored stations (1-6) for the current band can be viewed on the screen.

Storing Stations

- Auto storing

1. Select a band (if needed).
2. Press **AMS** briefly to search all stations in the band, the 6 strongest available station will be automatically saved in the preset button (numbers 1-6)

- Manual Storing

1. Select a band (if needed), then select a station.
2. Press and hold a preset button (numbers 1-6) on the front panel or remote control.
3. The preset number and station is displayed and highlighted.

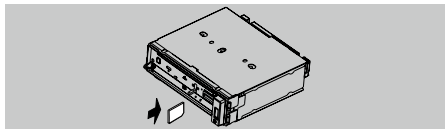
Recalling a Station

1. Select a band (if needed).
2. Press a front panel or remote control preset button (numbers 1-6) to select the corresponding stored station.

USB/SD/MMC/MP3 Mode

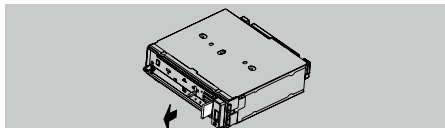
1. Load SD/MMC Card

Open the panel and insert the SD/MMC card into the slot. Close the panel, the unit will read the file of the card automatically.



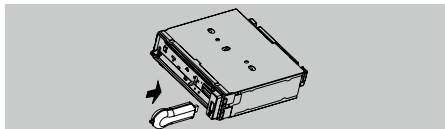
2. Take out SD/MMC Card

Push SRC button to non-SD mode, press the SD/MMC card to pop out.



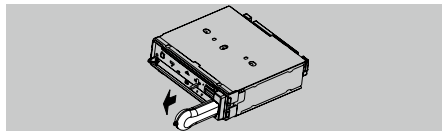
3. Load USB Device

Insert USB device into the USB jack. The unit will read the file in the USB device automatically.



4. Take out USB Device

Press the SRC button to non-USB mode and take out the USB device from the USB jack.



Note:

USB functions (flash memory type) MP3 music play.

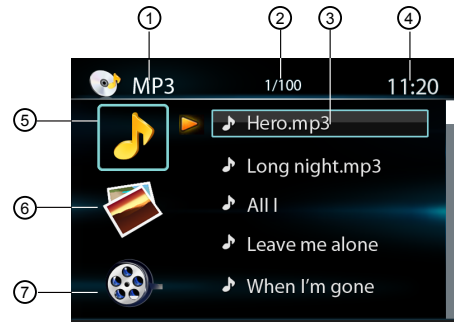
1. SD/MMC card support.
2. USB flash memory 2 in 1 (SD/MMC) support.
3. Support FAT 16 & FAT 32
4. File name: 32 byte / dir name: 32 byte / tag name: 32 byte.
5. Tag (id3 tag ver 2.0)
Title / artist / album: 32 byte support.
6. Multi card reader not support.
7. USB 1.1 support.

Not all kinds of USB devices are compatible with the unit.

Disc Mode

Accessing Disc Mode


If a disc is already in the disc slot but is not playing, press the SRC button on the front panel or on the remote control to switch to the DISC source. To play files from an SD or USB that is already inserted, choose the CARD or USB source. The disc playback screen is indicated below:



1. Source Indicator
2. Current Track/Total Track
3. Name of the Song Display
4. Time/Clock
5. Audio Folder
6. Picture Folder
7. Video Folder

Disc Mode

Insert a Disc



Press  to flip down the panel. Insert the disc into the slot, and the unit will change to disc mode automatically.



Note:

- Please confirm whether there is a disc in the unit before you insert another one.
- The unit will exit current playing source and enter DVD mode when one disc is inserted.

Eject the Disc

Press  to flip down the panel. Press  to eject the disc.

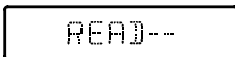


Note:

- After ejecting the disc, the unit reverts to radio mode.
- You can eject a disc with the unit powered off. The unit remains off after the disc is ejected.


Disc Playback

1. When disc inserted, display shows LOAD.
For MP3 or disc with mixed files, reading time may exceed 1 minute.



2. ERROR will be displayed if error found in

disc operation.

3. For VCD/CD, VCD or CD icon will appear on the display.
4. While MP3/WMA files playback, MP3/WMA icon will appear on the display.
5. For DVD, DVD icon will appear on the display and TITLE appears. Press **ENTER** or  to play.



File Type Supported

Audio file: MP3(*.mp3), WMA(*.wma)

Video file:

DIVX
MPEG 2 (*.vob)
MPEG 1 (*.dat)

Picture file: JPEG (*.jpg)

MP3 file:

ISO 9660 or ISO 9660 + Joliet format - Max. 30 characters.

Max. nested directory is 8 levels.

The max. album number is 99.

The max. length of each track is 99 minutes 59 seconds.

Supported sampling frequency for MP3 disc: 8KHz to 48KHz (44.1KHz preferably).

Supported bit-rates of MP3 disc are: 32 - 320 kbps (128 kbps preferably).

Disc and File NOT Supported

*.AAC, *.DLF, *.M3U, *.PLS, MP3 PRO files and files with DRM.

Open session discs.

Audio/Picture/Video File Playback

When AUDIO/PICTURE/VIDEO file is played, Category/Folder/File list will be displayed on the screen, and file/folder name being played will be displayed on top. Current selected item will be highlighted.

Category Select

Use  /  to select



AUDIO







PICTURE







VIDEO

Press **ENTER** to confirm.



Folder Select

Use  /  to enter folder list and use  /  to select desired folder, press **ENTER** to confirm.

File Select

Use  /  to enter file list and use  /  to select desired file, press **ENTER** to play back.

For PICTURE, press  to slide show the pictures, press **PROG** to select picture showing style.

For MUSIC, press  will enter power on logo, then press  to return.

Disc Mode



Note:

MP3 and WMA (Windows Media Audio) music files are digital audio files that are compressed to allow more files to be stored. This unit can play MP3/WMA and video directly from files contained on a CD-R/RW, DVD-ROM, DVD+RW, DVD-RW, DVD+R, DVD-R and DVD-VIDEO, or an SD card or USB Device. Many types of software are available for converting audio files into MP3/WMA formats. Nero or Roxio Easy CD Creator are recommended. This unit can play MP3 (MPEG1, 2, 2.5 Audio Layer 3). However, the MP3 recording media and accepted formats are limited.

Entering ID3 Tag

This unit supports ID3 tag version 2.0.

For character codes, refer to the table to the below.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0				@	P	´	p				±	À	Ñ	à	ñ	
1		!	1	A	Q	a	q				ı	±	À	Ñ	à	ñ
2		"	"	2	B	R	b	r			ç	²	Á	Ö	á	ó
3		#	#	3	C	S	c	s			£	³	Á	Ö	á	ó
4		\$	\$	4	D	T	d	t			¤	µ	Á	Ö	á	ó
5		%	%	5	E	U	e	u			¥	µ	Á	Ö	á	ó
6		&	&	6	F	V	f	v			¦	¶	Æ	Ö	æ	ö
7		'	'	7	G	W	g	w			§	·	Ç	Ç	ç	÷
8		(	(	8	H	X	h	x			¨	†	É	Ø	è	ø
9		)	)	9	I	Y	i	y			©	‡	É	Ø	è	ø
A		*	*	A	J	Z	j	z			ª	§	È	Ù	è	ù
B		+	+	B	+	;	;	{			«	»	È	Ù	è	ù
C		,	,	C	<	L	\	|			¬	¼	Ì	Û	ì	û
D		-	-	D <td>=</td> <td>M</td> <td>J</td> <td>m</td> <td></td> <td></td> <td>®</td> <td>½</td> <td>Ì</td> <td>Û</td> <td>ì</td> <td>û</td>	=	M	J	m			®	½	Ì	Û	ì	û
E		>	>	E <td>N</td> <td>^</td> <td>^</td> <td>~</td> <td></td> <td></td> <td>®</td> <td>¾</td> <td>Ì</td> <td>Û</td> <td>ì</td> <td>û</td>	N	^	^	~			®	¾	Ì	Û	ì	û
F		/	/	F <td>?</td> <td>?</td> <td>?</td> <td>■</td> <td></td> <td></td> <td>—</td> <td>¿</td> <td>Ì</td> <td>Û</td> <td>ì</td> <td>û</td>	?	?	?	■			—	¿	Ì	Û	ì	û

Entering File and Folder Names

Names using the code list characters are the only file names and folder names that can be entered and displayed. Using any other character will cause the file and folder names to be displayed incorrectly. The unit recognizes and plays only files with the MP3/WMA extension.



Note:

A file name entered with characters not on the code list may not play correctly.

Electronic Shock Protection

- 10 seconds for CD-DA (CDA)
- >45 seconds for MP3 recorded at 44.1kHz, 128kbps
- >90 seconds for WMA recorded at 44.1kHz, 128kbps

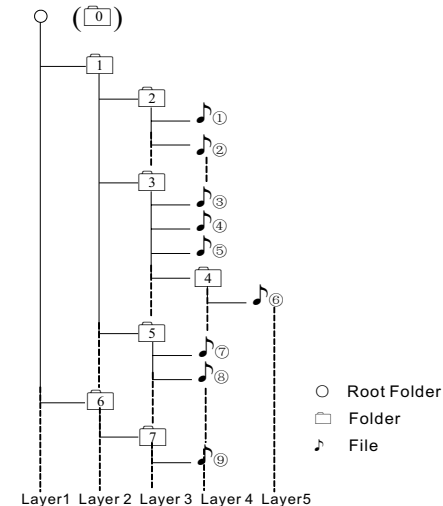
Bit Rates

The unit supports bit rates from 32 - 320 kbps.

MP3 Playing Order

When selected for play, files and folders (Folder Search, File Search or Folder Select) are accessed in the order in which they were written to the media. As a result, the order in which they are expected to be played may not match the order in which they are actually played. You may be able to set the order in

which MP3/WMA files are to be played by assigning file names beginning with play sequence numbers such as "01" to "99". For example, a medium with the following folder/file hierarchy is subject to Folder Search, File Search or Folder Select as shown below.



The player will only recognize three folder levels and does not display folders containing only other folders. In the example above, the unit will display folders 3, 4, 6, and 8, but not 2 and 7 since they do not contain since they do not contain any tracks directly. Folder 5 is not recognized at all since it is at the fourth level.

Disc Mode

Select Desired Track

- Press **⏪** or **⏩** to skip to the next track.
- Use 1-9 and 0, 10+ buttons on the remote control to select desired track number.

Fast Forward/Backward During Playback

- Press **⏪** or **⏩** for more than 2 seconds once or more to select X2, X4, X8, X20 to fast backward or forward track during playback.
- During the fast forward or backward operation, press **⏮** briefly to playback again.
 - During the fast forward or backward operation, the volume will be muted.

Intro (for CD/VCD only)

You can play the beginning of every track for 15 seconds in sequence.

1. During playback, press **INT** once.
INT ON/OFF will appear on the display.
2. Press **INT** again to select the current track.



Random Track Playback (for CD/VCD/MP3 Only)

- You can play all the tracks in random order.
1. During playback, press **RDM** once or more.
 - RDM icon will appear on the display.

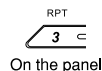
2. Press **RDM** again to select normal playback.



Repeat

- During playback, press **RPT** once or more.
- RPT icon will appear on the display.
 - For VCD/CD: Display appears RPT ONE → RPT ALL → RPT OFF
 - For DVD: Display appears RPT CHAPTER → RPT TITLE → RPT OFF
 - For File disc: Display appears RPT ONE → RPT DIR → RPT ALL → RPT OFF

Note: If you do not select RPT on, when the entire disc or TITLE playback has finished, the system will stop. If no other control, after 5 minutes the unit will turn into standby mode.



Repeat A → B

- Select desired passage to repeat playback.
- Press A → B once to select starting point.
Display shows REPEAT A.
 - Press A → B again to select ending point.
Display shows REPEAT A → B, and selected passage start to replay.
 - Press A → B once again to exit.

Display shows A → B CANCEL.



Pause

- During playback, press **⏸** to pause playback.
- The sound will be muted.
- Display "PAUSE" in the TV screen, display and blink "PAUSE" on the panel display.
Press **⏸** again to continue playback.



PBC - Playback Control (for VCD only)

1. If you insert a VCD with PBC, playback starts from the beginning of the 1st track automatically.
2. Press **PBC** to show menu, use **⏪** / **⏩** or digit button to select desired track. Press **■** to return to power on logo. Press PBC again to exit menu.



Disc Mode

GOTO

Goto desired track/chapter or time point directly.

Press **GOTO** button on the remote control, track or DVD Title/Chapter and time display on top of the screen. Current item is highlighted. Use **◀ / ▶** to select desired item. Use digit button to select number. Press **ENTER** to confirm.



On the remote control

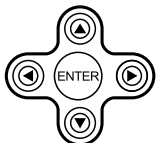
Program

- Press **PROG** to enter program list. Use **▲ / ▼** or **◀ / ▶** cursor and digit button to enter number.

For DVD and File disc, select title and chapter number.

For VCD and CD, select track number.

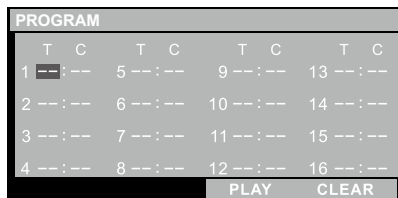
- Press **▶▶** to play, or move the cursor to select "PLAY" and press **ENTER** to play.
- If you want to delete the list, move the cursor to "CLEAR", press **ENTER** to delete all the list set before.
- Press **PROG** again to exit program play.



On the remote control



VCD and CD



DVD and File disc

DVD Audio Select

Press **AUDIO** or **R/L** to select audio language to listen if the DVD has multiple audio languages.



On the panel



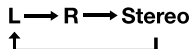
On the remote control

VCD Audio Select

Press **R/L** to select audio channel to listen.



On the panel



DVD Subtitle Select

Press **SUB.T** to select the subtitle language to show if the DVD has multiple language subtitles.



On the remote control

DVD Title Select

Press **TITLE** to display title or chapter list, use **◀ / ▶** or **▲ / ▼** cursor or digit number to select, press **ENTER** to play.



On the remote control

DVD Angle Select

Press **ANGLE** to select different angle to view if the DVD has multiple-angle views.



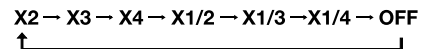
On the remote control

ZOOM

Press **ZOOM** button, the picture will be zoomed accordingly.



On the remote control



Bluetooth Mode



Note:

For your safety, avoid talking on the phone as much as possible while driving.

Bluetooth is a wireless transmission way for short distance. The built-in Bluetooth can connect with the mobile phones having Bluetooth function.

After connecting, you can control your mobile phone through the unit.

Pairing


Use this function to establish a connection between the unit and your mobile phone.

1. Press and hold **SRC** button until "PAIRING" appears on the LCD.
2. Turn on Bluetooth function of your mobile phone, keep phone within 3 meters to the unit and start to search for Bluetooth devices.
3. After the name of the Bluetooth module "SUN-BMA19" appears on the pairing list of your mobile phone, select it. At this time, a pairing code is required. Enter the pairing code ("1234" by default) and the Bluetooth pairing will process automatically. Some mobile phones may instruct you to select connect or disconnect, please select connecting.



Exit Pairing

After pair successfully, if you want to disconnect, press and hold **SRC** button until "PAIR OUT" appears on the LCD.


Make a Call

After pair successfully, press **SRC** button repeatedly to select BT MUSIC mode, press  button to select from [DIAL NUM].



To dial a number

1. Select [DIAL NUM], then press the **VOL** knob.
2. Press the **MENU** button repeatedly to select the first number, press the knob to confirm.
3. Select other numbers as step 2. If the number is wrong, press the  button to delete.
4. Press  to dial out.

To use a number in call log or directory

1. Select the options other than [DIAL NUM].
2. Press the knob to show the log or directory. Rotate the knob to select a number. If there are no record, display shows [NO MATCH].
3. Press  to dial out.

Receive

1. After pair successfully, if there is a call incoming, the unit switch to BT mode automatically.
2. Press  to receive.
3. Press  to hang up.

Voice Transfer

During talking, press  button to transfer audio from the unit to your mobile phone.






Note:

Some mobile phones will transfer audio from the unit to themselves once the incoming call is answered.

BT Audio

(if the mobile phone has the A2DP & AVRCP functions)

After pair successfully, press **MODE** button repeatedly to switch to BT AUDIO mode. In Bluetooth main menu of your mobile phone, open the audio player and set the transmission mode to Bluetooth. The audio will be transferred from the mobile phone to the unit. Some mobile phones may hint that to connect with the unit. After found the Bluetooth device name "SUN-BMA19" on mobile phone, you should select to connect it, and then input the pairing code ("1234" by default). When music playback, touch  to play/pause, and press  /  key on the TFT or remote control to previous/next track (if the options are available).

Bluetooth Mode

Auto Connect

Press the **MENU** button to enter main menu, and select [AUTO ON] or [AUTO OFF] in the menu.

AUTO OFF: After paired OK, if the distance between mobile phone and the unit is over 10 metres, the connection will exit. The Bluetooth technology will not automatically establish a connection.

AUTO ON: After paired OK, if the distance between mobile phone and the unit is over 10 metres, the connection will exit. The Bluetooth technology will automatically establish a connection between the unit and the registered mobile phone when the transmission distance is 10 metres or shorter.

Whether the automatic connection is ON or OFF, when power is off then on again, the unit Bluetooth will connect the mobile phone (if the Bluetooth function turning on) which is paired OK last time.



Note:

1. To connect automatically as shown above, the unit must connect the mobile phone successfully before.
2. The unit will try to connect the mobile phone paired when on, most mobile phone will connect automatically, some need connect manually due to different software setting.

Music Mode

A2DP

A2DP is short for Advanced Audio Distribution Profile. The mobile phones supporting this function can transmit stereo audio, whereas the ones not supporting this function can transmit mono audio only.

AVRCP

AVRCP is short for Audio/Video Remote Control Profile. The mobile phones supporting this function can control the playback of a Bluetooth audio player.

In the mode of the music player working, if you want to make a phone call, disconnect A2DP, otherwise the LCD will display "BUSY" when you dialing out.

General Notes for Bluetooth

1. For N7X, N9X, PHILIPS, Sony Ericsson, SAMSUNG mobile phones, during our test, after the mobile phones appear connection successful, the unit still appear waiting for pairing. At this time you must find the unit's Bluetooth module name "SUN-BMA19" on the pairing list on your mobile phone and select connecting in the submenu, then the unit will appear pair OK. Otherwise, there is no voice coming out when communicating, though the mobile phone has already displayed pair OK. Some mobile phones,

such as PHILIPS, when it playbacks A2DP, you must find the unit "SUN-BMA19" in the phone's menu and reconnect (check your mobile phone whether has the A2DP & AVRCP functions).

2. When pairing, some types of mobile phone hint that how to operate, for example, when you make a phone call by the unit, if the mobile phone voice doesn't be transferred to the unit, no voice comes out. The SAMSUNG mobile phone hints that voice should be transferred to Bluetooth device.
3. Depending on the mobile phone, if private mode is selected, when you make a phone call by the unit, or receive, the voice would be transferred to the mobile phone. But sometime the Bluetooth maybe disconnect till the communication ends, then connects your mobile phone to the unit automatically. Some mobile phones maybe need pair again.
4. For mobile phone, the Bluetooth device name must be primary symbols or numbers. Otherwise, some unpredictable issues may occur during the Bluetooth devices connecting and making phone call.
5. After paired OK, if no sound produced, please check whether the Bluetooth stereo audio on the phone switched ON.

DVD Setup

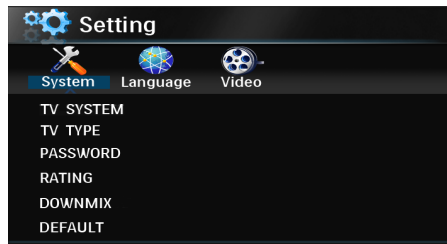
Press **SETUP** to display setup menu on the screen.

Use **◀/▶** to select setup items:
SYSTEM - LANGUAGE - VIDEO



DVD System Setup

Use **▲/▼**, **◀/▶** to select and **ENTER** to confirm.



- TV SYSTEM: NTSC/PAL 60/PAL/AUTO

Select the TV system in the setting menu.

- TV TYPE: 4:3PS/4:3LB/16:9

Select TV type to watch wide screen movies.

4:3 Pan Scan: For 4:3 TV, left and right edges will be cut.

4:3 Letter Box: For 4:3 TV, black bars will appear on top and bottom.

16:9: For 16:9 wide screen TV.

- PASSWORD

1. Press number button " 0000 " on the remote control, then press the **ENTER** button to confirm.
2. Press the desired 4-digit password, and then press **ENTER** button to confirm.
3. Record the password and keep it in a safe place for future reference.

**If you forget the password, please enter 0000 to reset a new password.
The password : 0000**

- RATING:

1 KID SAFE/2 G/3 PG/4 PG13/5 PG-R/6 R/7 NC-17/8 ADULT

The rating of the disc is from 1 to 8:

(1) with the most limits when playing.

(8) with the least limits when playing.

Original setting: 8



Note:

The rating can be selected only under the password unlocked status, and the limits can be worked only under the password locked status.

- DOWNMIX:

LT/(RT)/STEREO/VSS

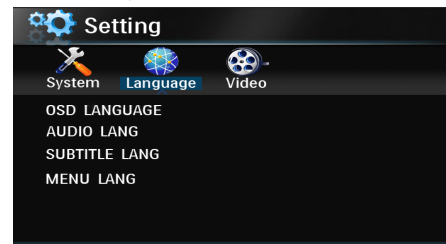
Select composite audio output from 2 channel speaker system.

- DEFAULT: RESTORE

If this item is selected, the unit will return to original setting.

DVD Language Setup

Use **▲/▼**, **◀/▶** to select and **ENTER** to confirm.



- OSD LANGUAGE:

English

German

Spanish

French

Portuguese

Select one language that you are familiar with to display system menu.

- AUDIO LANG:

Chinese

English

French

Spanish

Portuguese

DVD Setup

German

Select one dialogue language that you are familiar with when playing back DVD discs.



Note:

If the DVD disc has the audio file in the selected language, the dialogues you listened to will be in the selected language.

If the DVD disc does not contain the audio file in the selected language, the dialogues you listened to will be in the default language.

You can change the language by pressing [AUDIO] key of the remote controller.

- SUBTITLE LANG:

Chinese
English
French
Spanish
German
Off

Select one language that you are familiar with to display DVD subtitles.

If the DVD disc has the subtitle file in the selected language, the subtitle will be displayed in the selected language.

If the DVD disc does not contain the subtitle file in the selected language, the subtitle will be displayed in the default language.

- MENU LANG:

Chinese

English

French

Spanish

Portuguese

German

Select one language that you are familiar with to display DVD menu.



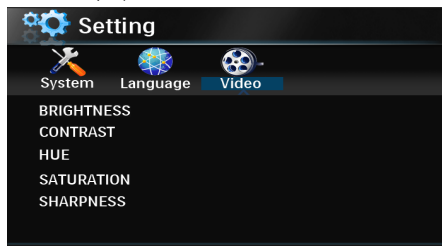
Note:

If the DVD disc has the selected language, the DVD MENU/TITLE will be displayed in the selected language.

If the DVD disc does not contain the selected language, the DVD MENU/TITLE will be displayed in the default language.

DVD Video Setup

Use ▲/▼, ◀/▶ to select and ENTER to confirm.



- BRIGHTNESS

Set the brightness of the video output with ▲/▼ from 0 to 12.

- CONTRAST

Set the contrast of the video output with ▲/▼ from 0 to 12.

- HUE

Set the hue of the video output with ▲/▼ from -6 to +6.

- SATURATION

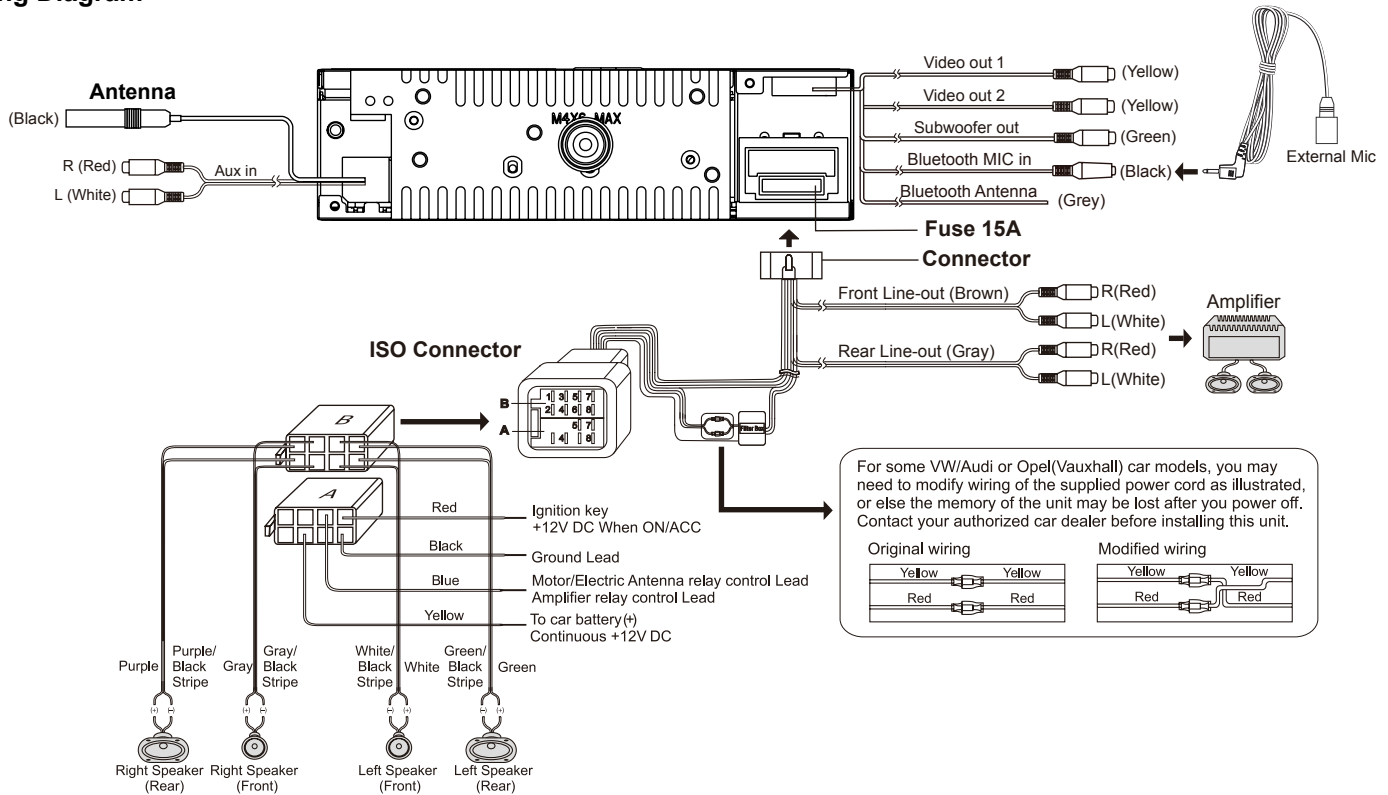
Set the saturation of the video output with ▲/▼ from 0 to 12.

- SHARPNESS

Set the sharpness of the video output with ▲/▼ from 0 to 8.

Electrical Connections

Wiring Diagram




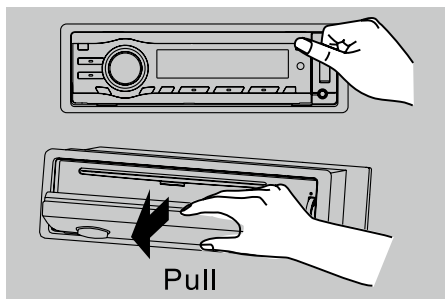
Anti-Theft System

This unit is equipped with a flip-down detachable panel.

Panel can be detached and taken with you, helping to deter theft.

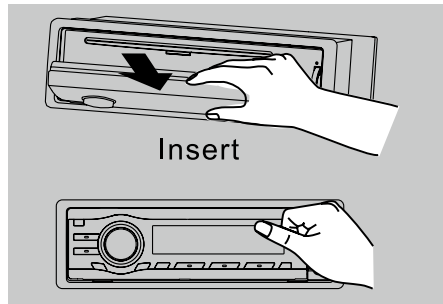
Removing the Panel

1. Switch off the power of the unit.
2. Press  button to flip down the panel.
3. At an angle hold the panel to pull it out.
4. Place the panel into the case and take it with you when you leave the car.



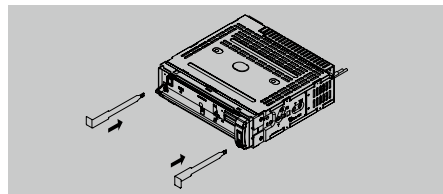
Installing the Panel

1. Hold the panel and ensure the panel faces toward you, and set the panel in the panel bracket.
2. Press the right side of the panel until it locks.



Removing the Unit

1. Remove the panel and the trim plate.
2. Insert both removal keys into hole on the front of the set until they lock.
3. Pull out the unit.




Installation Guide

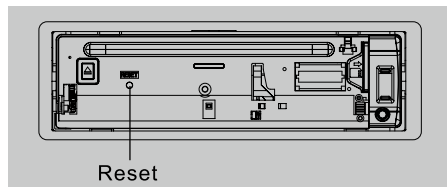
Installation Procedures

First complete the electrical connections, and then check for correctness.

Reset

Press  button to flip down the panel. Then press the **RESET** button with a pointed object to reset the unit to the original status.

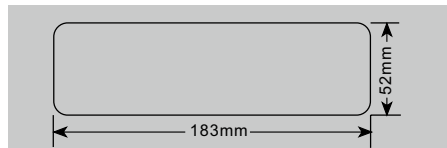
Note: Press the **RESET** button will erase the clock and stored stations.



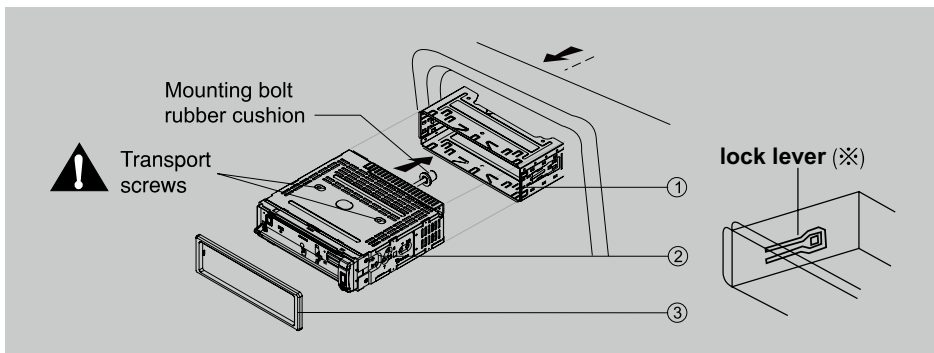
Installation Opening

This unit can be installed in any dashboard having an opening as shown below.

The dashboard should be 4.75mm - 5.56mm thick in order to be able to support the unit.



 Important: Remove these two screws before installation. Otherwise, the player will not work.



1. Inset mounting collar into the dashboard, and bend the mounting tabs out with a screwdriver.

Make sure that lock lever (⊗) is flush with the mounting collar (not projecting outward).

2. Secure the rear of the unit.

After fixing mounting bolt and power connector, fix the rear of the unit to the car body by rubber cushion.

3. Insert trim plate.

Troubleshooting

If you suspect something is wrong, immediately switch power off. Immediately stop using it and call the store where you purchased it. Never try to repair the unit yourself because it is dangerous to do so.

General

No power or no sound.

Car's engine switch is not on.

Turn your car's key to ACC or ON.

Cable is not correctly connected.

Check connection.

Fuse is blown.

Replace fuse.

Check volume or mute on / off.

If the above solutions cannot help.

Press the RESET button.

Disc

Disc is inside but no sound.

Disc is upside down.

Place disc in the correct direction, and the label side up.

Disc is dirty or damaged.

Clean disc or change another disc.

Disc sound skips, tone quality is low.

Disc is dirty or damaged.

Clean CD or change another CD.

Sound skips due to vibration.

Mounting angle is over 30°.

Adjust mounting angle to less than 30°.

Unstable mounting.

Mount the unit securely with the mounting parts.

Radio

Noise in broadcasts.

Station is too far, or signals are too weak.

Select other stations of higher signal level.

Preset station lost.

Battery cable is not correctly connected.

Connect the battery cable to the terminal that is always live.

Error Display Messages

Display shows ERROR.

Disc is dirty, damaged or upside down.

Press \blacktriangle to eject the disc.

When video file initializing time is too long.

File read error or file type not supported.

Press SRC to exit. Then press SRC to play disc again.

Specifications

General

Power supply	12V DC (11V-16V) Test voltage 14.4V, negative ground
Maximum power output	50Wx4 channels
Continuous power output	20Wx4 channels (4Ω 10% T.H.D.)
Maximum current consumption	12A
Suitable speaker impedance	4-8ohm
Pre-Amp output voltage	4.0V (CD play mode: 1KHz, 0dB, 10KΩ load)
Fuse	15A
Dimensions(WxHxD)	178x50x166mm
Weight	2.2kg
Sub-out	4.0V (CD play mode: 61Hz, 0dB, 10KΩ load)
Aux-in level	≥300mV

FM Stereo Radio

Frequency range	87.5-108.0MHz
Usable sensitivity	8dBμ
Frequency response	30Hz-15KHz
Stereo separation	30dB (1KHz)
Image response ratio	50dB
IF response ratio	70dB
Signal/noise ratio	>55dB

AM(MW) Radio

Frequency range	522-1620KHz (Europe)
Usable sensitivity (S/N=20dB)	30dBμ

Disc Player

System	Disc digital audio system
Frequency response	20Hz - 20KHz
Signal/noise ratio	>80dB
Total harmonic distortion	Less than 0.20% (1KHz)
Channel separation	>60dB
Video signal format system	NTSC\PAL 60\PAL\ AUTO
Video output	1 ± 0.2V

Bluetooth

Operating range: Up to 10 metres (No Obstructions).
Bluetooth specification: V1.2/2.0/2.1 compliant.
A2DP specification: A2DP1.0 & AVRCP1.0 compliant.

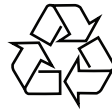
Components

Mounting collar	1
Machine screws M5x6 mm	4
Mounting bolt (50 mm)	1
Wire connector	1
Removable face plate case	1
Trim plate	1
Removal key	2
Operating Instructions	1
Rubber cushion	1
Remote control unit	1
Battery (CR2025)	1



Note:

Specifications and the design are subject to change without notice due to improvements.



Made In PRC



Rev. 1.0