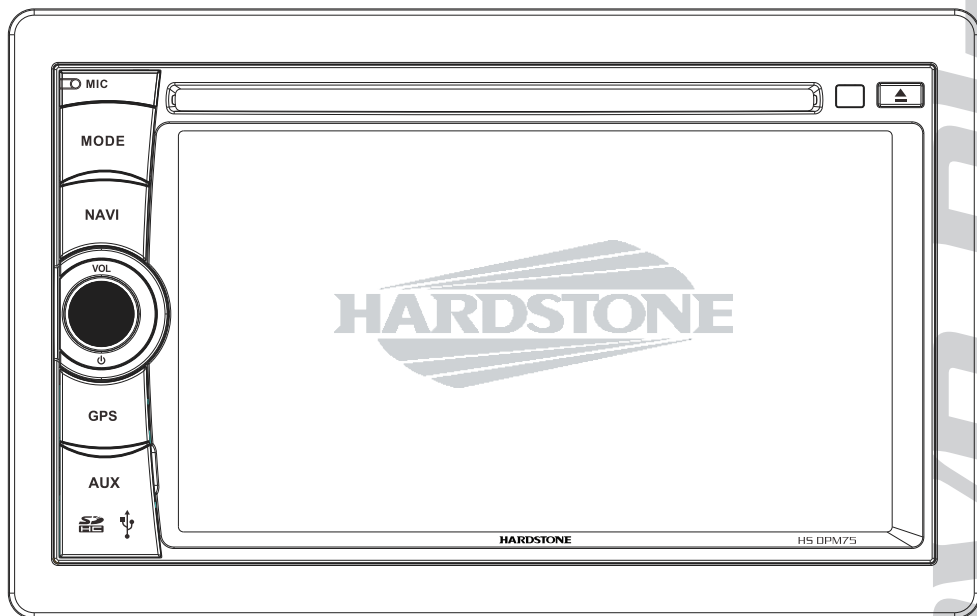# HARDSTONE

Manuale d'Uso

HS DPM75

GPS

6.2" LCD Monitor DVD - GPS - 2DIN
AM/FM RDS - USB - SD - A2DP - MirrowLink
Bluetooth - Win-CE 800Mhz - ARM11 A6

Leggere attentamente il manuale prima di installare l'unità. La non osservanza di tali regole comporta la decadenza della garanzia.

DVD Player

CONTENTS

Model No.	DPM75
General features	Motorized 6.2"LCD Screen w/ High Definition 800*480 Pixel and Angle Adjustment FM/AM two BAND Radio DVD fully compatible with DVD/VCD/CD/MP3/MPEG4/JPEG/WMA Built-in Navigation Front USB & SD reader support Rear view camera 300W 4ch / Speaker output Steering wheel control AV Input &AV output Rotary audio control Built-in Bluetooth with A2DP function
TFT screen	800*480pixel
SD	64GB
USB	2.0
Power supply	DC 12.00 voltage
Max Output	300W 4ch / Speaker output
Working Temperature	-20°C~70°C
Size	178*96.5*144mm
Weight	About 2.2kg

Compatible Media				
Picture	JPG/BMP/GIF/PNG			
Disc	CD/CD-R/CD-RW/DVD/DVD-R/DVD+R/ DVD-RW/DVD+RW			
Audio file	APE-Monkey's/FLAC/MP2-MPEG/MP3/OGG-Voebis/AAC/M4A/WAV-PCM			
Video file O-YES X-NO	.AVI	MPEG/AC-3	MPEG-4	O
		MPEG/AAC	AVC	X
	MP4	MPEG/AAC	MPEG-4 Visual	O
		AAC	AVC	X
	MPG	MPEG/AC-3	MPEG-1/2	O
		AAC	AVC	X
	RM	Cooker	RealVideo1	X
		Cooker	RealVideo3	O
	RMVB	Cooker	RealVideo3	O

Please read and understand the following safety information before operating this unit.

⊘ The device is suitable for 12V power supply (requires grounding). Do not connect it to 24V power supply in trucks or buses, or else it will be damaged.

❗ Please use genuine discs, instead of incompatible and poor discs, or else it will damage the device or shorten the service life.

❗ Without the guide of qualified personnel, do not replace the fuse, or else it may damage the device or cause fire.

⚠ Please follow the traffic laws and regulations and do not watch program or operate the device when you are driving, to avoid accidents (excluding passengers watching through rear monitor).

❗ To ensure safety and operate the device normally, please ask qualified personnel to install the device. do not disassemble or repair the device without authorization, to avoid damage and accidents. Please contact local car audio distributor for details.

⊘ Do not put the device in moist environment or water, to avoid electric shock, damage and fire due to short circuit.

⊘ The mechanical drive part of the monitor uses automatic precision transmission component. Do not pull, push or rotate the device by force or impact the TFT screen to avoid damaging the device.

❗ Do not insert the audio plug of the vehicle into the master unit directly. please convert with the dedicated end cable provided by our company.

❗ When install the unit, prevent metal objects falling into the master unit from the vents to avoid short circuit and damaging the device.

Safety Statement

⊘ For the safety of you and others, do not watch programs or operate the device when you are driving. It is prohibited by the laws and regulations.

❗ The backing monitor function should be used as auxiliary means. we are not responsible for any accidents occurred during backing.

ACCESSORIES

Please note that when you buy this unit, you can find all the following parts in the gift box. And if not, please don't hesitate to contact us to get any of it.

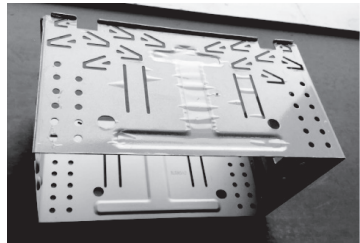| Unit	Remote Control
User's Manual	**ISO Cable/GPS Antenna**
Trim Ring/Touch Pen	**Mounting Sleeve**
Mounting Strap/Release Key	**Screws/Rubble Pillar**
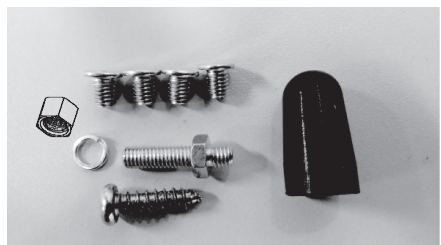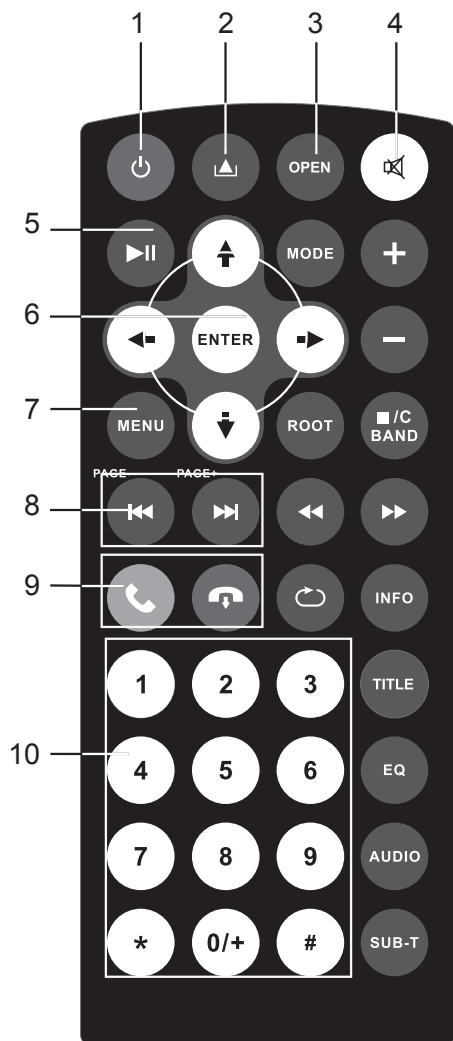
1. TURN ON/OFF key---
   Turn ON/OFF the screen.
2. EJECT Key
   Press to eject the Discs in
   the unit. And press again to
   insert the Disc if you do not
   take out it.
3. OPEN key(No working in the unit)
4. MUTE key
   Press to mute the unit and
   press again to restore the
   volume.
5. Play/Pause.
6. Direction and ENTER key
   If there is a Disc with root list
   menu,press direction key to
   move up/down, and press
   enter to confirm. Press left
   to enter into file list. Right to
   open the file.
7. MENU key
   Press menu key to turn back
   to the main interface of the
   unit under any mode.
8. Under Disc/SD/USB mode,
   press to choose previous/next
   song. Under music list menu,
   press to choose PRE/NEXT
   page.
   Under RADIO mode, press
   to search frequency forward
   /backward.
9. Take phone calls and hang
   up phone calls.
10. Number key
    Choose music by number key
    under DISC/Radio mode.
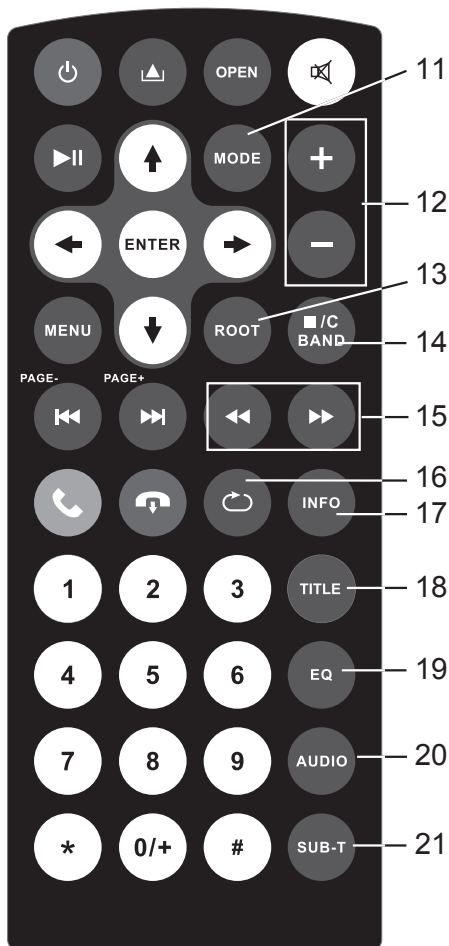
11. MODE changing key
    Press to change mode of the unit between BT/AUX IN/AV IN/Radio/MobileLink/DVD/SD/USB.

12. VOLUME UP/DOWN key
    Press to volume up and volume down under any mode.

13. DVD playing mode, press to go into root list menu; VCD playing mode, press to turn on/off PBC function.

14. BAND: Radio mode, touch to change between FM1/FM2/FM3/AM1/AM2; press STOP and the screen will show LOGO interface; Delete function in BT calling mode.

15. FAST REVERSE/FAST FORWARD key
    Under Disc playing mode, press to fast play reverse/forward at the speed of *2*4*8*16; under Radio mode, press to search step by step reverse/forward.

16. REPEAT key
    Under DISC/SD/USB mode, press to set the repeat mode: single, chapter, all.

17. Under video playing mode, press to check the video playing information such as: playing time, name of the song, total song etc..

18. Under DVD playing mode, press to enter into title list menu.

19. EQ mode
    Touch to set EQ mode. Touch again to adjust EQ effectffect

20. Channel changing key: under DVD/VCD multiple sound effect video playing mode, press to change channel(STEREO/LEFT CHANNEL/RIGHT CHANNEL).

21. SUBTITLE changing key
    Change the subtitle during playing if the Disc have multiple subtitle.
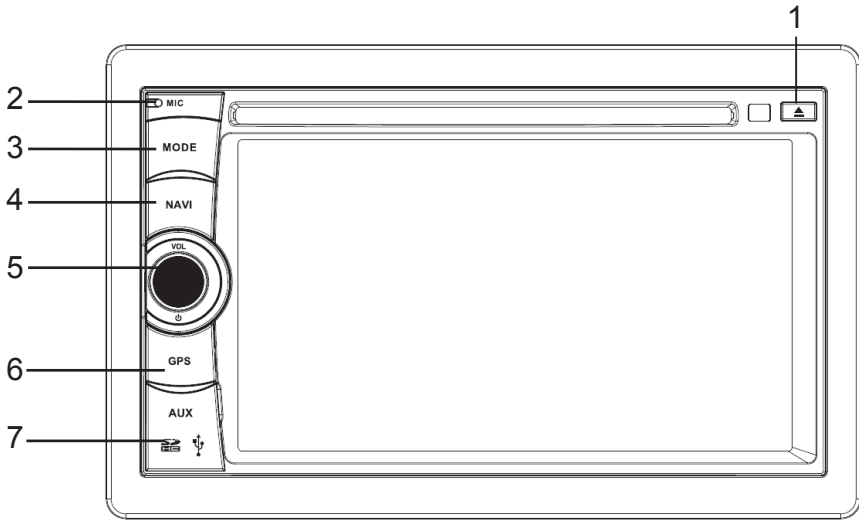
1.Eject key
When there is a Disc in the unit, touch EJECT to remove the
Disc. And touch again to load the Disc if you do not take out it

2.MIC receive hole

3.MODE key
Touch to select system mode (BT/AUX IN/AV
IN/Radio/MobileLink/DVD/Music/Video)

4.NAVI key
Press to enter into GPS function

5.TURN ON/OFF & VOLUNE UP/DOWN
Long touch to turn ON/OFF the unit.
Short touch to activate the MUTE function and silence the audio
output. Touch again to restore sound. Rotate to adjust the output
volume UP or DOWN

6.GPS cover
Open to GPS card slot

7.AUX/SD/USB cover
Open to insert AUX/SD/USB

MAIN MENU OPERATION INSTRUCTION

Main menu 1

5   1   4   3

6

9

7   2   8
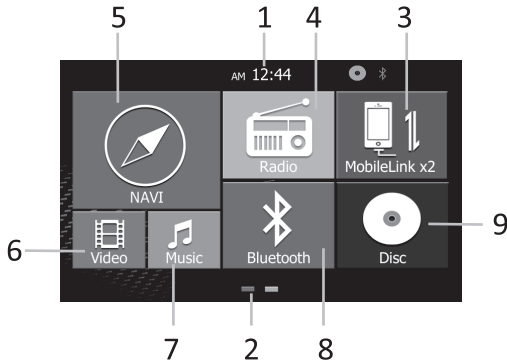
1.Shows the present time of the unit.

2.Slide to choose between main menu 1 and main menu 2.

3.Please find the separate page for mobile link function. Thanks.

4. Radio Interface   5. Navigation Interface
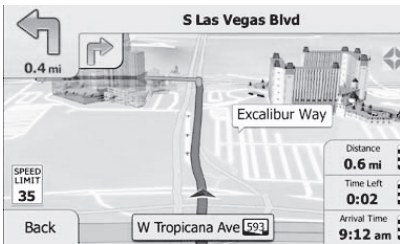
6. Video Interface   7. Music Interface

7. BT Interface Music Interface   9. Disc Interface
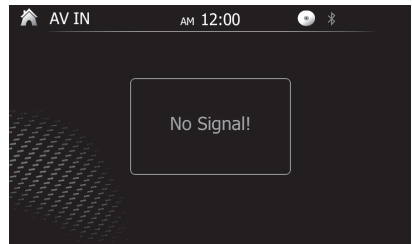
Main menu 2

1   2   3

4

5   6
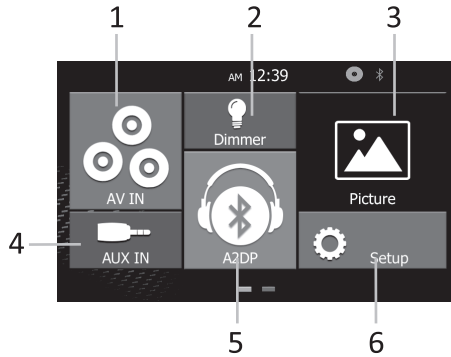
1. AUX IN Interface

2. Dimmer Interface

Press dimmer to set low, middle and high lightening.

3. Picture Interface

4. AV IN Interface

No Signal!

5. BT Music Interface

Maroon 5 - Sugar

Unknown
Unknown
Unknown

6. Setup Interface

Video		
General	Camera Mirror Image	OFF
Video	Reverse Camera	ON
NAVI	Parking	ON
Clock	Backlight	10
Audio	DVD Parent Lock	>
System		
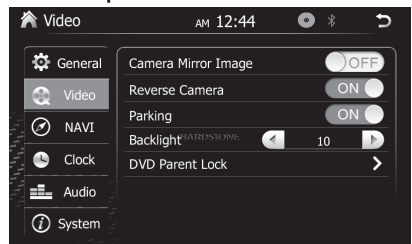
SETUP MENU

There are five menu in setup:
GENERAL SETUP—Menu 1
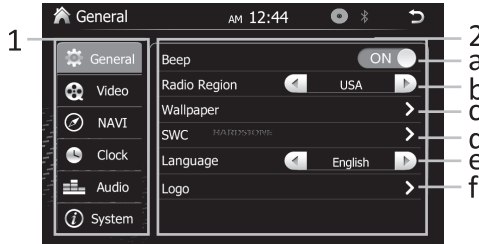
1.Setup function area: General setup, Clock setup, Audio setup, Video setup, Other setup.

2.Subsidiary function area: Press to see the general setup items.
a.Beep sound: ON/OFF.
b.Touch to choose radio field between.
c.Touch to set wallpaper as you want from the 5 wallpapers storage of the system.
d.Press to enter into steering wheel control settings.
e.Show the language settings of unit. French is set by default, touch to choose other language.
f.Touch to select boot logo.

VIDEO SETUP -Menu 2
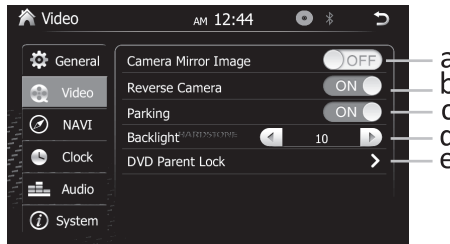
a.Touch to turn on or turn off the camera mirroring function.
b.Touch to turn on or turn off the reverse camera function.
c.Touch to turn on or turn off parking detect.
d.Press to adjust the backlight:1 to 10.
e.Touch to set up the level of the DVD. Default password is 000000.

NAVIGATION SETUP--Menu 3
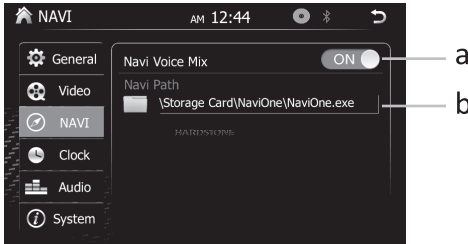

a.Turn on or turn off the navigation voice plug function. Turn on, once
   report navigation information and also have audio source playing.
   Turn off, there is only navigation voice.
b.Press to go into navigation path setup menu:
   It will show the usable navigation program and choose to set as the r
   unning program.

CLOCK SETUP--Menu 4
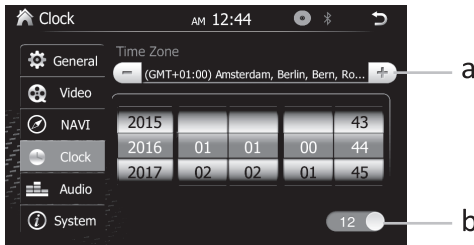
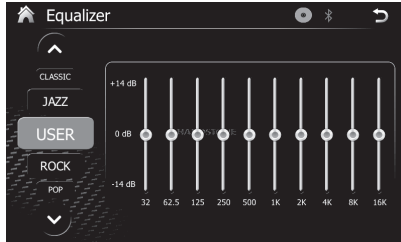a.Choose time zone according to your local place;
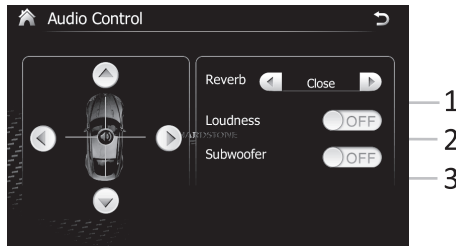b.Touch to select 12H or 24H.

AUDIO SETUP--Menu 5

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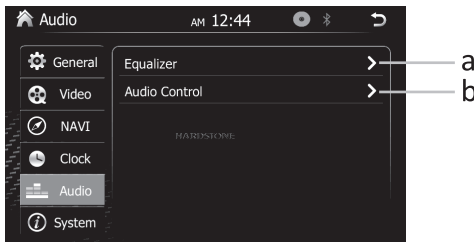
a.Press to enter into EQ set up menu.
Move up and down to choose the audio playing mode:
USER/JAZZ/CLASSIC/ROCK/POP/LIVE/DANCE. And USER is the default mode.
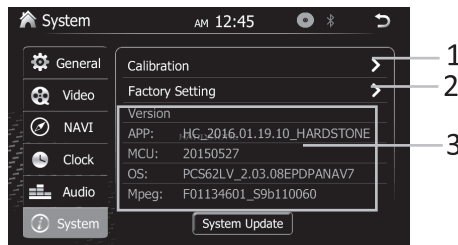

b.Press to enter into Audio Control set up menu.

1.Reverb: Close/ Living room/Hall/Concert/Cave/Bathroom/Arena
2.Loudness: ON/OFF.
3.Subwoofer: ON/OFF.

SYSTEM SETUP--Menu 6

1.Touch to start calibration function to make the touch feeling in the screen more accurate.
2.Touch to set the system to the factory shipping system mode.
3.The software version of this unit.

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SWC-STEERING WHEEL CONTROL SETTING

Set the POWER button as an example.

1.Press to enter into SWC menu Picture 1.

2.Press POWER button in the unit, then press key in your steering wheel.
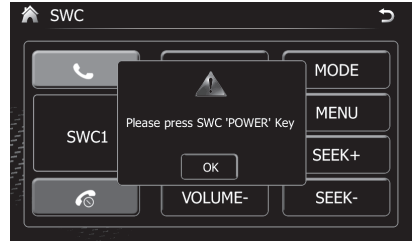   You can see the reminder in the unit like Picture 2. Press OK.

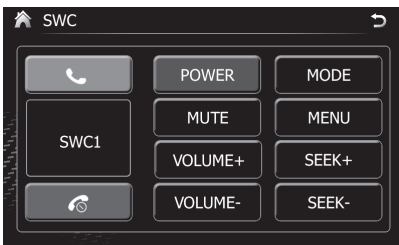3.Setting successfully. Will show like Picture 3.
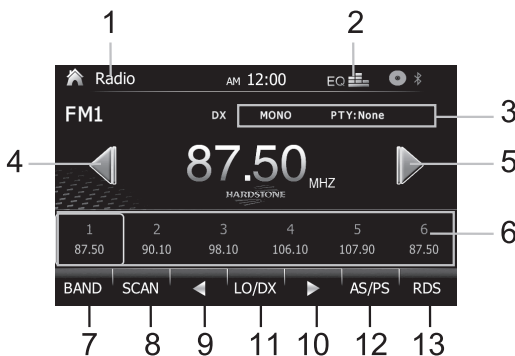
Picture 1

Picture 2

Picture 3

This is set by SWC1, if you cannot finish all button pairing, you can use SWC2/SWC3 too.It will erase memory if you press SWC2/3 during you are setting SWC1.

RADIO OPERATION

1.Shows the present mode. Press to turn back to the main menu.

2.EQ: Can press to set the audio effect.

3.PTY: Program type; PS: Program service.

4.Short press to search backward.

5.Short press to search forward.

6.Radio frequency saving area: can save 18 frequencies and can only show 6 in a page, slide it to see the rest.

7.Band changing: Click to change between FM1/FM2/FM3/AM1/AM2

8.Search the frequencies, play the searched one for 5S and go on to search next one and repeat this.

9.Long press to move backward in step.

10.Long press to move forward in step.

11.LO/DX: Touch to select Local or Distant broadcasting frequencies.

12.Change between AS and PS.

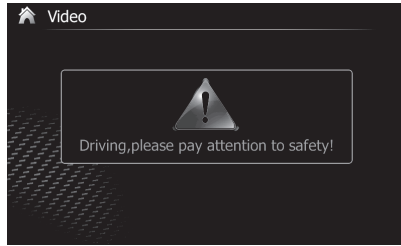13. RDS: Touch to enter RDS setup menu. You can choose the program type you like to listen: news, sport, Info,etc.

MEDIA PLAYING—VIDEO/DISC FORM PLAYING

1.Function Area: show the process and time of the present video. This bar will disappear in a while, and click this area to show this function bar again. Touch the bar to set the playing time.

a. Click to adjust:4:3/16:9

2.Click to show the information of present video.

3.Function bar same as audio playing menu.

NOTE: When properly installed, DVD video cannot be displayed unless the parking brake is applied. If you attempt to play a DVD while the vehicle is moving, the screen displays the following warning.

MEDIA PLAYING—AUDIO/DISC FORM PLAYIN
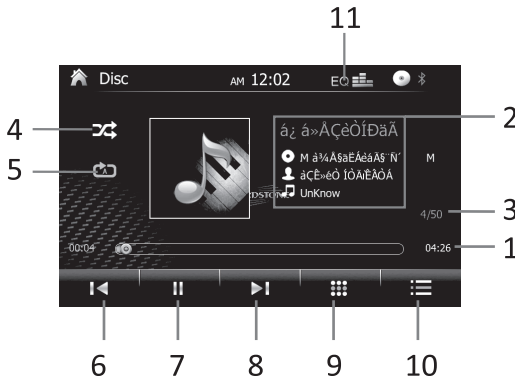
1. Total time of the playing song.
2. ID3 information of the music playing such as singer's name, music style, music name etc.
3. Present playing one/total music numbers.
4. Random play.
5. Loop playback.(ALL/SINGLE loop play).
6. PREV: Press to choose previous music.
7. PLAY/PAUSE: Touch to begin playing. And press the icon again to pause playing.
8. NEXT ONE: Press to choose next music.
9. Press and you will see following keyboard to choose the music:
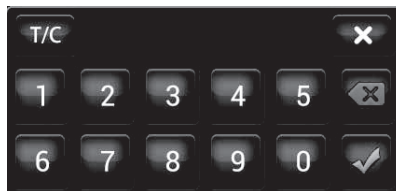
10. Click to see the music list menu. And user's can choose which one to play here.

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a. There is one more function: scan the file in the SD and USB
b. Long press the song name to save the song to the playlist and you can play anytime you want.

11.Press to going into EQ setting interface:
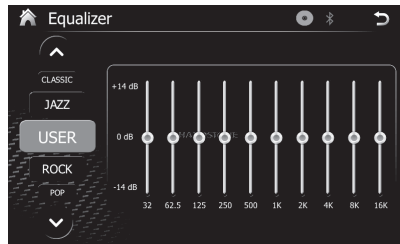
MUSIC PLAYING MENU
Press MUSIC in the main menu, it refers to the music file from SD and USB. USB/SD music menu is all same with the Disc music. There is only one different: it will show the lyrics of the song if the audio file have lyrics in it and name ended with LRC.

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BLUETOOTH OPERATION MENU
Click BT icon and will enter into Bluetooth function interface:

1.Function area:
a.Click and see the dialing keyboard, users can dial no. and make
   phone calls.
b.Click to see the Bluetooth phonebook.
c.Click to see the Bluetooth call history.
d.Bluetooth pairing interface as following:

e.Default Bluetooth setting menu.

2.Bluetooth setting menu:

Note:
   Device bluetooth name: **HARDSTONE**
   Password: **1234**

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a.ON/OFF: Turn on and turn off of Bluetooth when not using.
b.Auto Answer: Can turn on or turn off the function of listen to calls
   automatically.
c.Auto Connect: Can connect the nearest searched devices
   automatically which have already been connected before turn on.
d.Ext-Mic: Set ON to use external microphone, and set OFF to use
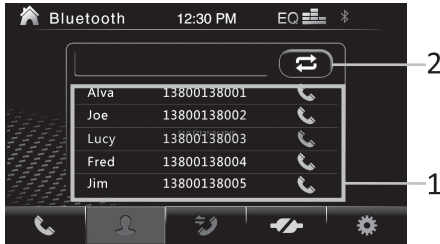   unit microphone.

BLUETOOTH DIALING

1.Shows the number you press in, and press [   ] to delete if it is
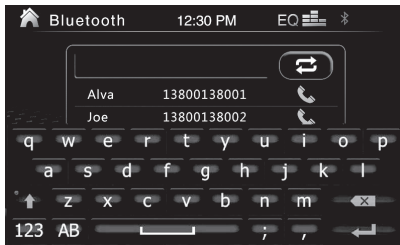   wrong.
2.Key area.
3.Touch to call out.

BLUETOOTH CALL
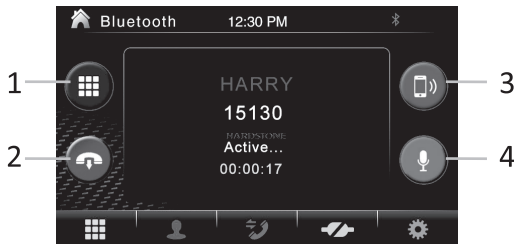
1.Press to come out the number key.
2.Press to hang up phone calls.
3.Touch to talk through Bluetooth or smartphones.
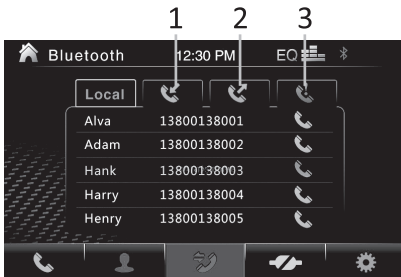4.Touch to mute the unit.

BLUETOOTH PHONE BOOK

1.Move up and down to search phone number.
2.Touch to enter name and search the wanted phone number.
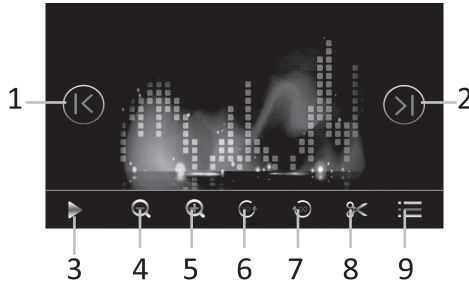
BLUETOOTH PHONE CALL HISTORY

1.Touch to show the dialed phone number.
2.Touch to show the received phone number.
3.Touch to show missed calls.

BLUETOOTH MUSIC
Press icon BT Music in main menu to enter into Bluetooth music and you can see:

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PICTURE

1. Press to turn to the previous picture.
2. Press to turn to the next picture.
3. PLAY/PAUSE: touch to begin play. Press again the icon to pause. During picture playing mode, one picture will be played for 5s automatically and goes to the next if you do not press it.
4. Zoom out the present picture.
5. Zoom in the present picture.
6. Turn left 90 degrees.
7. Turn right 90 degrees.
8. Press to tailor the picture as you want. Touch and drag the corner to decide the picture and

press you can set the picture as the background of the unit.

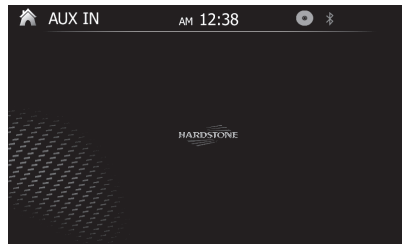And this background will remain the same till you reset it.
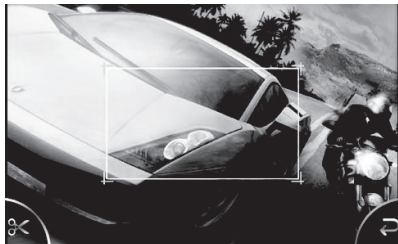
9. Press to see the picture list:

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a

b
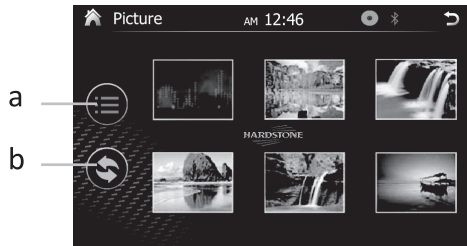
a.Touch to change between picture mode and picture list mode.
b.Scan the picture file of your SD or USB.

Input menu: shows the signal input to the unit, and if there is no signal(AUXIN/AVIN), it will shows like:

MOBILE FUNCTION CAN ONLY BE AVAILABLE:
 * **Set your phone to Debug mode.**

Steps:
   1.Set the phone to USB Debug mode;
   2.Connect the USB cable with cell phone;
   3.Confirm your phone has already connected with unit via
      Bluetooth, or the unit will not come out sound under
      MobileLink function mode;
   4. Click to enter MobileLink function in the main menu of
      the unit.

A.You will see below menu if USB cable not connected yet:
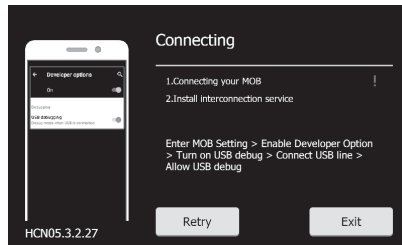
! Click to check USB debug operation steps;
   Retry After connect cell phone, click to detect cell phone;
      Exit   Click to exit MobileLink function

B.USB cable already connected, you will see:
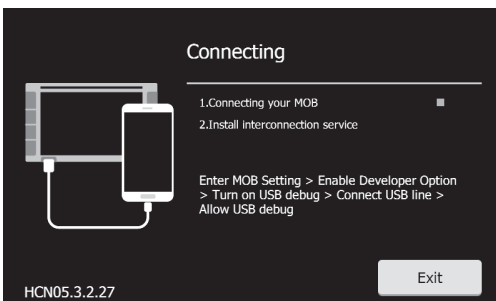
NOTE:
First time use MobileLink
function, cell phone will
download "DRIVE
MODE"(   ) to your
phone automatically, click
OK to install to your cell
phone.

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MOBILE LINK

After install the DRIVE MODE, you will see an icon [⊙] in your phone. It will go to DRIVE MODE menu first time link, and click DRIVE MODE to enter into DRIVE MODE menu blow in other time:
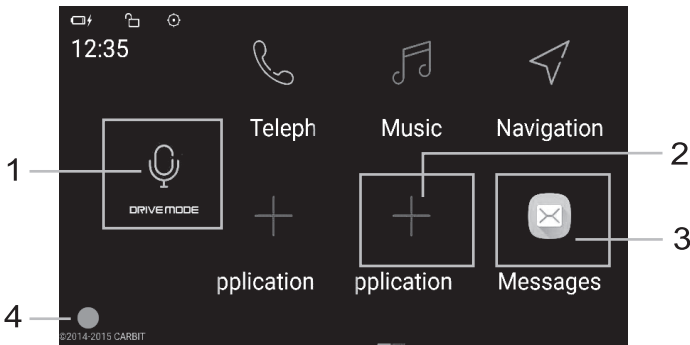

1. VOICE MESSAGE
VOICE SERVICE CAN ONLY BE AVAILABLE WHEN CELL PHONE INTERNET CONNECTED WITH UNIT.
Click [DRIVEMODE] button to start Voice Assistant. Commands supported by voice currently:
a. Open applications, standard voice commands: "Open ###" or "Start ###", ### indicating the name of application;
b. Make calls, standard voice commands: "Make a call to ###" or "Call ###", ### indicating the name in Contacts;
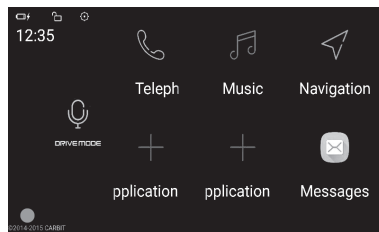
2.click to add the application of the phone into the main interface of DRIVE MODE;
3.Long press and click the up-right icon to delete the application software;
4. ◯ Click to enter into sub-menu:
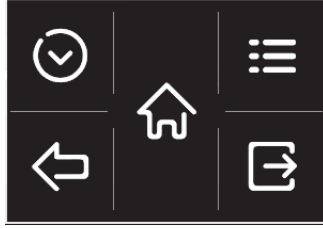
1. Click to turn back to unit main menu;

2. Click to enter DRIVE MODE setting menu;

 Quit the present DRIVE MODE, DRIVE MODE not running, go to cell phone main menu.

 Enter DRIVE MODE setting menu.

 Check information of DRIVE MODE.

3. Click to turn back to DRIVE MODE main menu.

4. Click return back to the last menu.

5. Click exit mobile link.

NOTE:
How to open USB debugging switch on Android mobile
The method of opening USB debugging switch on the phone differs due to different versions of Android system. Please select proper connection wizard according to your phone system version, and operate on the phone in order. If your cellphone is not the same as it, please find the way of USB debug on website before using. Thanks for your notice!

MOBILE LINK

Steps:

1. Click Setup;
2. Click About phone;
3. Click "Build Number" till it go to next page;
4. Developer options; 5.Open USB debugging and click OK.

Example: Android 5.0 system debug method

1

2

3

5

4
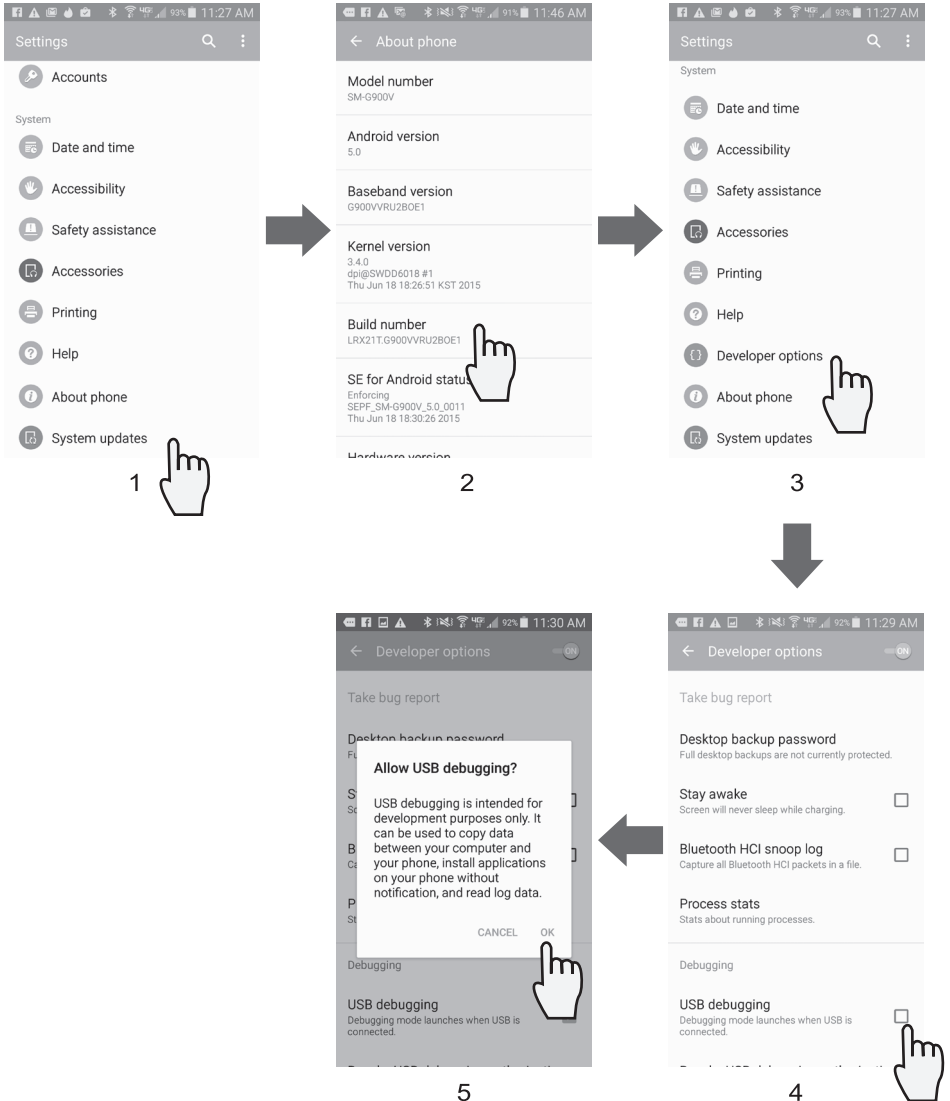
TROUBLE SHOOTING

Table 1: Error message

Media displayed	Cause	Corrective Action
Loading	Disc is being read	
No Disc/Bad Disc	Disc is dirty	Clean the disc
	Disc is upside down	Insert Disc in right way
Unknown Disc	Unsupported Disc type	Check the disc and change one
Error	Illegal mechanism operation	Press EJECT for 5s to reset loading mechanism

Table 2:General problems

Problem	Cause	Corrective Action
Unit will not power on	Radio fuse blown	Install new fuse with right rating
	Car battery fuse blown	Install new fuse with right rating
	Illegal operation	Press the RESET button
Screen touch is insensitive	Place of touch screen is offset	Go to setup menu and set the calibration
No audio output	Improper audio output connection	Check wiring and correct
	VOLUME 0	Turn up the volume
	Improper MUTE connection	Check wiring and TEL MUTE connection
	Speaker damaged	Change speakers
Low audio output	Volume set too low	Increase the volume
	Heavily biased volume balance	Check and adjust the channel balance to the center position

Poor sound quality or distortion	Speaker power rating not compatible with unit	Connect proper speakers
	Speaker is shorted	Check speaker contrast
No GPS image	Image has not been changed to GPS system	Change to GPS system

Table 3: TFT monitors

Problem	Cause	Corrective Action
No image	Incorrect connection to parking wire	Check wiring and correct
	Parking brake is not engaged	Stop vehicle in safe place and set parking brake ON
Flashing image or interference appears on screen	DVD is not compatible with current TV system settings	Change setup to accommodate Disc
	Improper video signal connections	Check wiring and correct
Improper image, improper height/width ratio display	Improper aspect ratio setup	Use correct aspect ratio setting

Table 4: Tuner

Problem	Cause	Corrective Action
Weak station searching	Auto antenna is not fully extended	Connect the auto antenna properly
	LOCAL function is activated	Turn LOCAL function OFF

Table 5: Disc

Problem	Cause	Corrective Action
Cannot insert Disc	Disc already inside unit	Eject the current Disc and insert the new one
Lots of noise during play, and stop then	Disc is scratched or warped	Use a new one in good condition
	Disc is dirty or wet	Clean the Disc
No repeat or searching while playing VCD	PBC is ON	Turn PBC OFF

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