USER'S MANUAL

BV9386NV

BLUETOOTH® | BUILT-IN NAVIGATION
DVD/MP3/CD AM/FM RECEIVER
FEATURING 6.2" (157mm) WIDESCREEN TOUCHSCREEN
DIGITAL TFT LCD MONITOR

SD™ **Bluetooth**®

MP3 AUDIO OUTPUT COMPATIBLE

AUDIO STREAMING

HI-RES AUDIO

USB

USB CHARGING

AUX FRONT

GPS 40

REAR CAMERA INPUT

DIGITAL TFT LCD MONITOR

TOUCH SCREEN

RBDS

WIRELESS R/C

TRUE DOUBLE DIN FIT

BOSS®
AUDIO SYSTEMS

To ensure safety while driving

and to comply with laws,

drivers should not watch video or

operate the video device while driving.

CONTENTS

GENERAL INFORMATION

Model No.	BV9386NV
General features	DVD ±R/RW Audio & Video CD ±R/RW Audio & Video FM/AM Tuner (Switchable Tuner) USB Port SD Port (64GB Max) USB Charging (1A) A/V In/Out Rear Camera Input Front, Rear, Sub Pre-Amp Outputs Steering Wheel Control Input
TFT screen	6.2 TFT (800 x 480 Resolution)
SD	64G
Working power	11-16 V DC Allowable, Negative Ground
Max Output	4 x 80 Watts
Working Temperature	-20°C~70°C
Size	96.5*170.5*144mm
Weight	About 1.92kg
Compatible Formats	
Picture/Audio formats	JPEG, BMP, PNG, MP3,AAC,WAV
Disc	CD/CD-R/CD-RW/DVD/DVD-R/DVD+R/ DVD-RW/DVD+RW

Video file NOTE: 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.
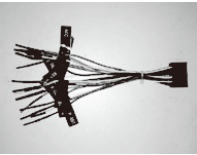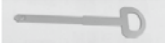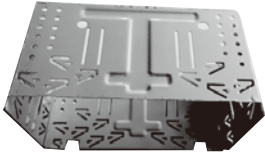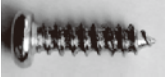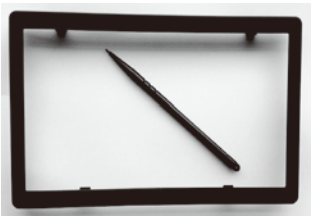
Safety Statement

🚫 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.

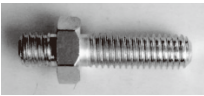| Remote Control	GPS Antenna

RCA Cable Power Cable	Flat washer 2pcs
	  Installation key 2pcs
	  Metal Strap 1pc

Mounting Sleeve	Mounting Hardware
	  Screw CM5*6mm 8pcs
	  Screw PA5*18mm 1pc
	  Spring Washer 1pc
	  Rear Chassis Support Bolt M5x23mm 1pc
	  Rubber Support Boot 1pc

Trim Ring/Touch Pen	

1.TURN ON/OFF
Press to turn on or turn off the unit.

2.EQ mode
Press to set EQ mode.

3.EJECT Key
Press to eject the Disc in the unit. And press again to load the Disc if you do not take out it.

4.CLK key
Press to show CLK，and press again back the last source.No working when video is playing.

5.MODE key
Press to change mode of the unit.

4

REMOTE CONTROL OPERATION

6.MENU key
Press menu key to turn back to the main interface of the unit under any mode.

7.Audio KEY
Press to change switch language in DVD mode，and switch left、right or stereo in VCD mode.

8.SUBTITLE Changing Key
Switch the subtitle during playing if the Disc have multiple subtitle.

9.Direction and OK key
If there is a Disc with root list menu,press direction key to move up/down/left/right, and press OK to confirm.

10.MUTE key
Press to mute the unit and press again to restore the volume.

11.REPEAT key
Under DISC/Music/Video mode, press to set the repeat mode.

12.Play/Pause
Press to switch play pause.

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

14.TITLE key
Under DVD playing mode, press to enter into title list menu.

15.Under Disc/music/video mode, press to choose previous/next song.
Under music list menu, press to choose PRE/NEXT music. Under RADIO mode, press to search frequency forward/backward.

16.VOLUME UP/DOWN key
Press to adjust volume up and volume down.

17.Receiving calls/call out；hang up.

18.STOP/C/BAND
In disc playing mode, press to STOP, press "ok" to start;
In radio mode press to change band between FM1/FM2/FM3/AM1/AM2;
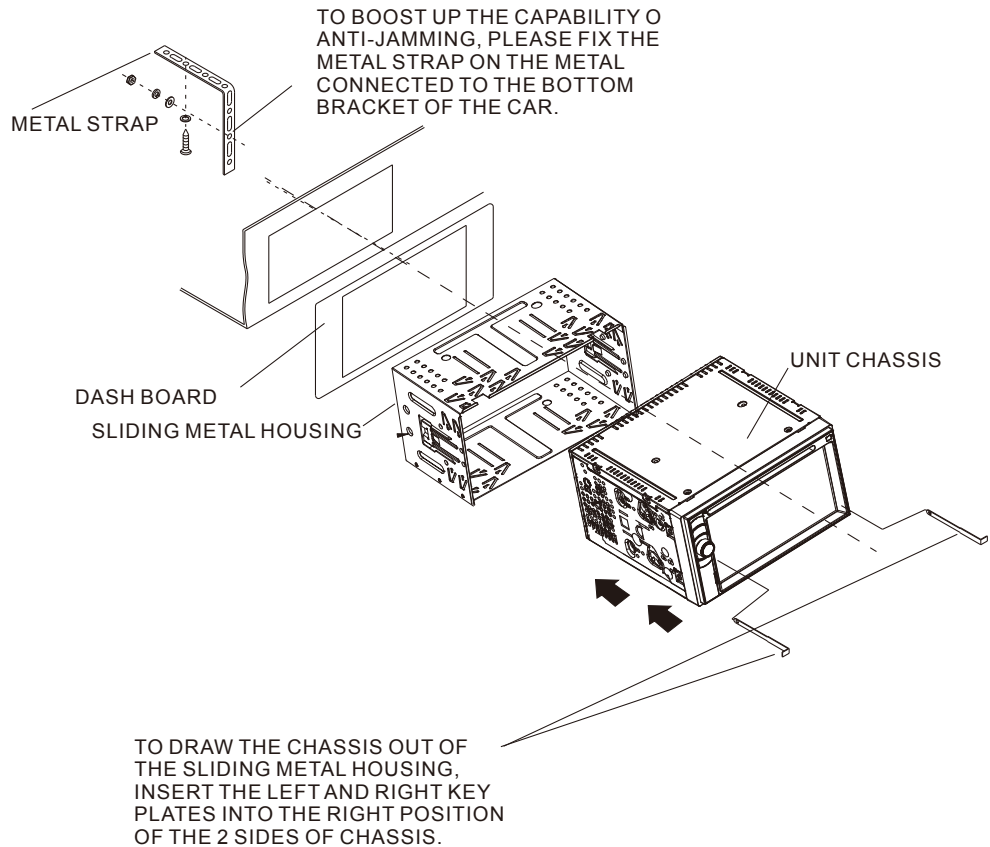Press to enter RADIO mode, except DVD mode.
Delet wrong number when in phone mode.

19.Number key
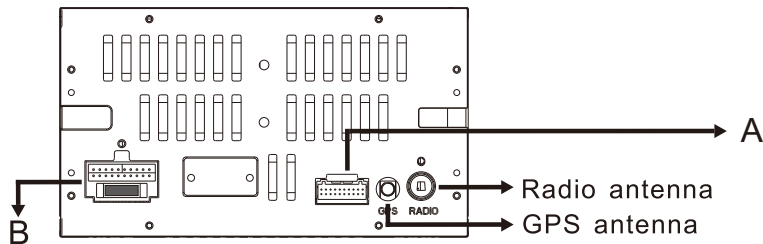Enter phone number in phone mode.

THE UNIT IS INSTALLED TO BE AN ANTI-THEFT ONE. THE CHASSIS OF THE UNIT WEARS A SLIDING METAL HOUSING. PLEASE DO THE CONNECTION OF THE POWER, SPEAKERS AND ANTENNA ACCORDING TO THE REQUIREMENT OF THE INSTRUCTION BOOK , THEN INSTALL THE SLIDING METAL HOUSING IN THE CAR AS FOLLOWS.

TO BOOST UP THE CAPABILITY O ANTI-JAMMING, PLEASE FIX THE METAL STRAP ON THE METAL CONNECTED TO THE BOTTOM BRACKET OF THE CAR.

METAL STRAP

UNIT CHASSIS

DASH BOARD

SLIDING METAL HOUSING

TO DRAW THE CHASSIS OUT OF THE SLIDING METAL HOUSING, INSERT THE LEFT AND RIGHT KEY PLATES INTO THE RIGHT POSITION OF THE 2 SIDES OF CHASSIS.

WIRES CONNECTION DESCRIPTION

The Description of the Input/Output Interface

A

Radio antenna
GPS antenna

B

YELLOW. . . . . (B+)12V
RED. . . . . ACC(+12V)
LT.GREEN. . . . . PARKING BRAKE
VIOLET/WHITE. . . . . REVERSE(+)
BLUE. . . . . ANT. CONT
BLACK. . . . . GROUND
BLUE/WHITE. . . . . P. CONT
WHITE. . . . . LEFT FRONT(+)
WHITE/BLACK. . . . . . LEFT FRONT(-)
GREEN. . . . . LEFT REAR(+)

GREEN/BLACK. . . . . . . LEFT REAR(-)
GREY. . . . . RIGHT FRONT(+)
GREY/BLACK. . . . . . RIGHT FRONT(-)
VIOLET. . . . . RIGHT REAR(+)
VIOLET/BLACK. . . . . . RIGHT REAR(-)

STEERING WHEEL CONTROL
WHITE. . . . . KEY A
BROWN. . . . . KEY B
BLACK. . . . . KEY GND

Description of the Wiring Diagram for Socket A

A

AV IN	Red RCA R Input
	Yellow Video Input
	White RCA L Input
FRONT	Red Front R Output
	White Front L Output
REAR	Red Rear R Output
	White Rear L Output
CAMERA	Yellow Reverse Video Input
SUB OUT	Blue Subwoofer Output
SUB OUT	Blue Subwoofer Output
VIDEO OUT 1	Yellow Video Output 1
VIDEO OUT 2	Yellow Video Output 2
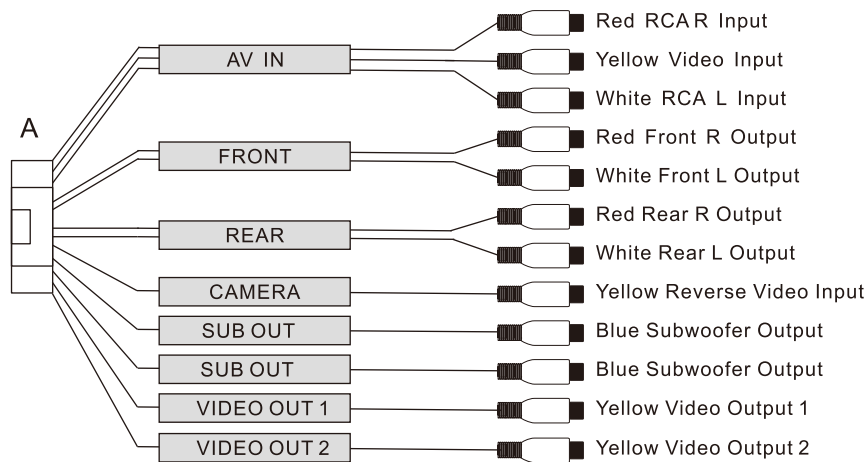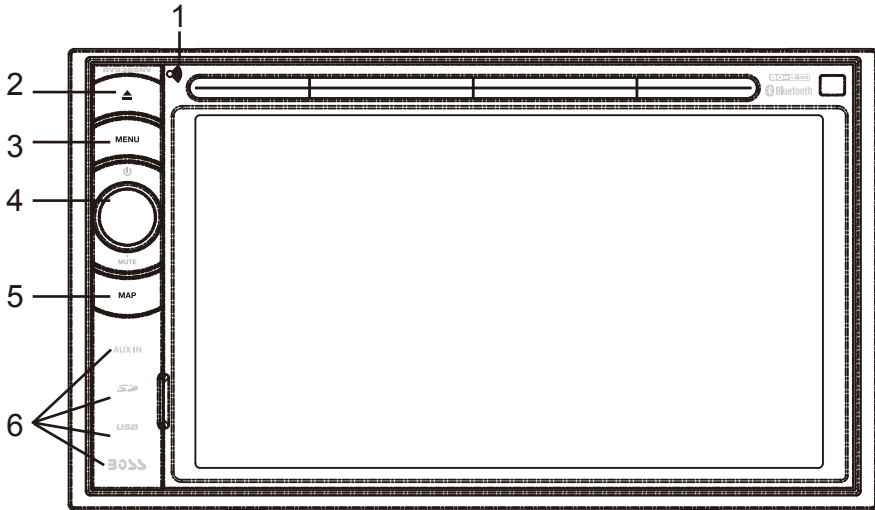
1.MIC receive hole
Place to receive the signal of microphone.
2.Eject key
When there is a Disc in the unit, press EJECT to remove the Disc. And press again to insert the Disc if you do not take out it.
3.MENU key
Press to go back to main menu in any interface.
4.TURN ON/OFF & VOLUNE UP/DOWN
Long touch to turn ON/OFF the unit. Short touch to activate MUTE function and silence the audio output. Press again to restore sound. Rotate to adjust the output volume UP or DOWN.
5.Map key
Press to enter into navigation function. Or back media from GPS.
6.AUX IN (AUX IN /SD/ USB/RESET/GPS card slot)
Open to see AUX IN /SD/ USB/GPS card port and reset key.
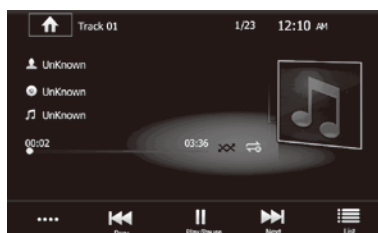
MAIN MENU OPERATION INSTRUCTION

MAIN MENU 1

1   2   3   4
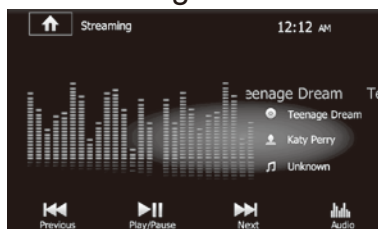
5   6   7   8
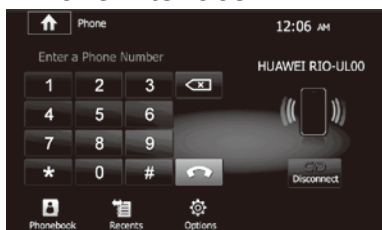
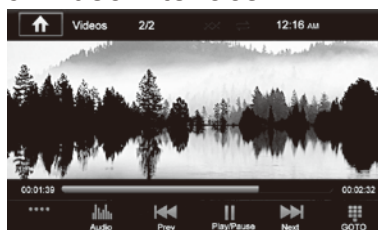1.NAVI: Navigation Interface
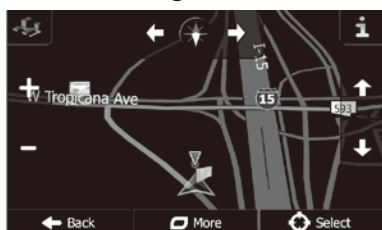
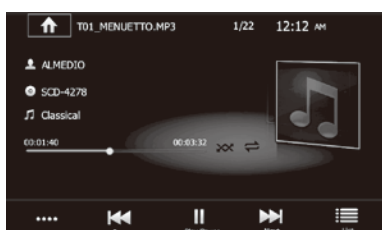2. Disc Interface

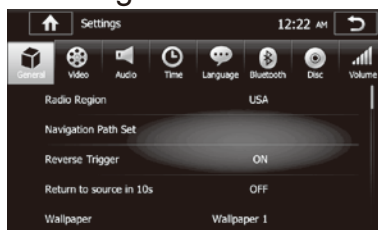3. Radio Interface

4. Streaming Interface
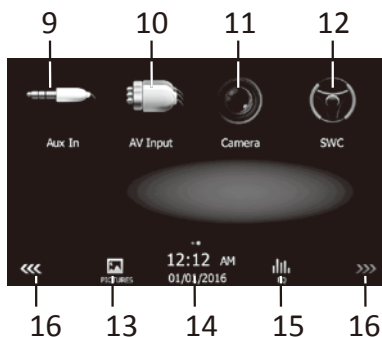
5. Phone Interface

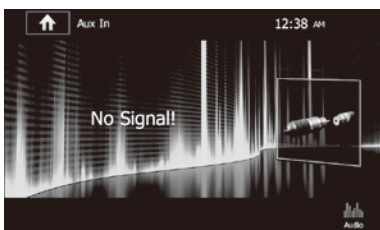6. Video Interface

7.Music Interface

8. Settings Interface
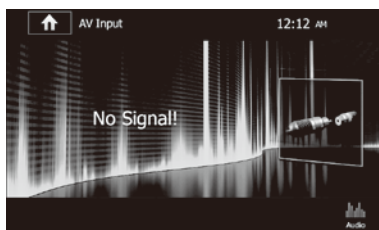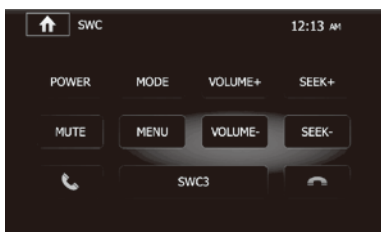
9

MAIN MENU 2

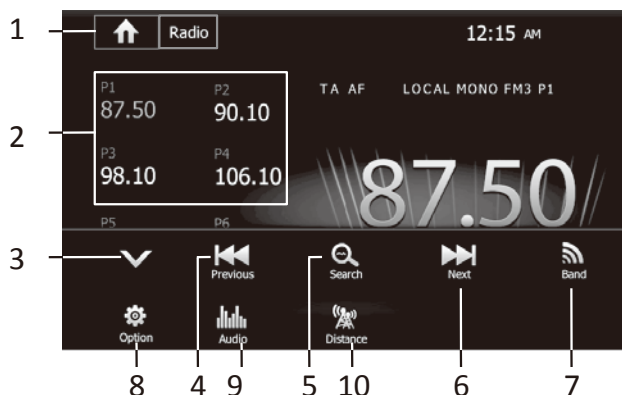9.AUX IN interface   10. AV In Interface

11. Camera: it will show rear camera interface when reverse.

12: SWC interface

13. Picture: Press to see picture files in the unit.

14.Shows the present date and time of the unit.

15.Press to go to EQ setting up interface.

16.Press to slide to another page. If it is grey, means this is the last page menu.

RADIO OPERATION

1.All this icon means return back to main menu of the unit.

2.Radio frequency saving area: can save 18 frequencies and can only show 6 in a page；

3.Press to OPEN/HIDE the function bar.

4.Long press to search backward. Short press to move backward in step.

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

6.Long press to search forward. Short press to move forward in step.

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

8.Press to see RBDS function（AF as default） choosing interface show as below:
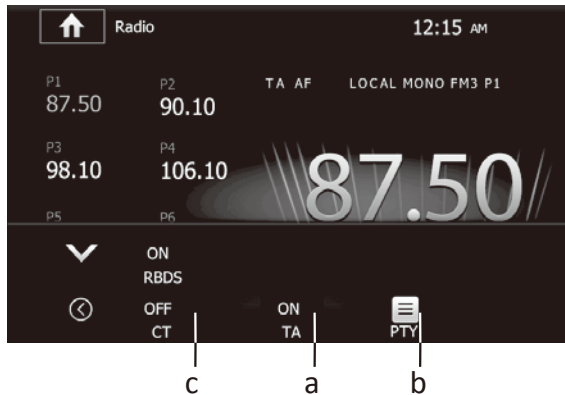
a. TA(Traffic Announcement)

ON: When the taffic station is turned on, the radio will automatically search for traffic stations. After a staton is searched, screen displays "TP" Only when traffic information is broadcasted can it be received, after traffic information is completed, the radio will automatically switch
to the previous mode.

OFF: Repress [TA] button to close TA function. In other modes, traffic
announcement will automatically switch to radio mode, after the traffic announcement is completed, it will automatically switch to the previous
mode.

b. PTY(Programming Type)

Touch the button the screen displays program types, users can search station according to program type.

c.CT (Clock Time)

To provide current time correction information, the RBDS station can automatically correct the system clock of the receiver when the clock RBDS is opened.

RADIO OPERATION

9.Press to see EQ function interface:

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

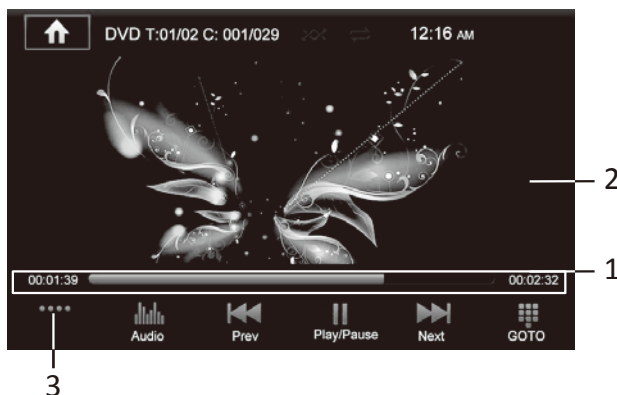This refers to music playing from USB and SD. Click the Music icon in main menu and you will see:


PRESS LIST TO SEE BELOW

a. 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.

DISC PLAYING

1. Show the process and time of the present video. Touch the bar to set the playing time.
2. Function Area: This bar will disappear in a while, and click this area to show this function bar again.
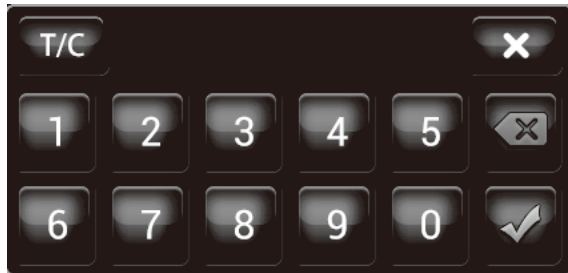3.Press to OPEN/HIDE the whole function bar:
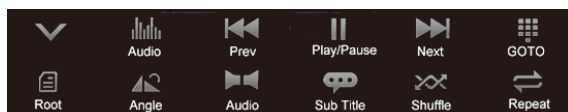
Audio: Touch to see EQ setting menu.
Prev: Touch to choose last item.
Play/Pause: Touch to begin playing. And touch the icon again to pause playing.
Next: Touch to choose next item.
GOTO: Touch to choose item manually. And click the relevant key to choose the chapter.

Press the no. of the item you want to listen and click GREEN CLICK to start.
Root: Touch to enter DVD menu
Angle: Touch to select DVD video angle
Sub Title:Touch to select the subtitle languge if the disc is recorded in multiple languages.
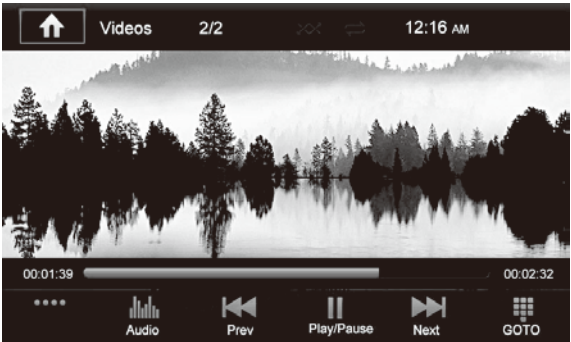Shuffle: Random play
Repeat: Loop playback.(ALL/SINGLE loop play)

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.
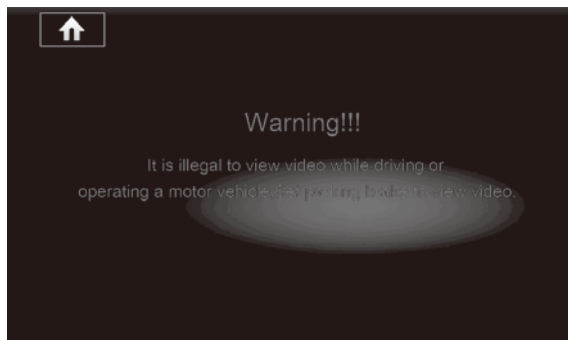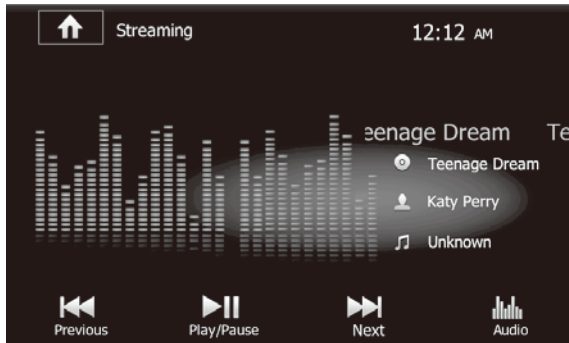
Buttons same as DISC menu are the same functions.
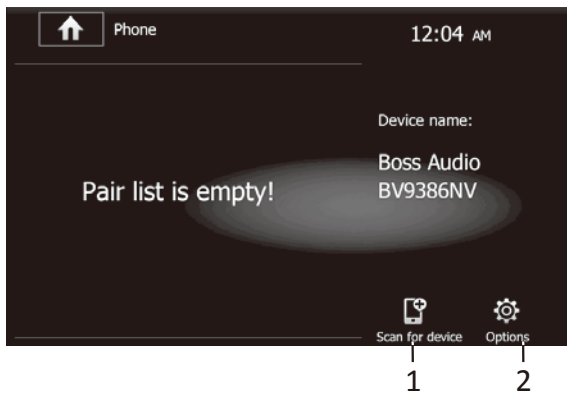
Press STREAMING in the main menu, it refers to the music file from
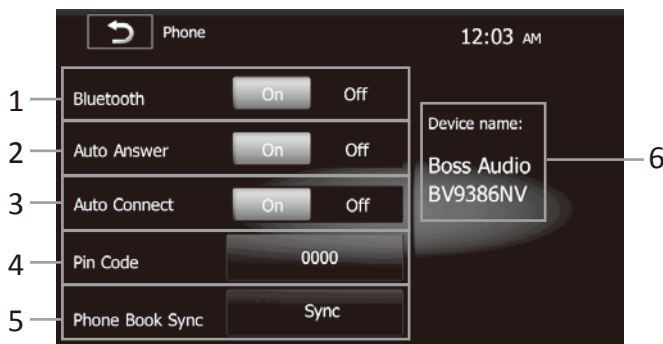BT.

PHONE ---BLUETOOTH OPERATION MENU
Bluetooth for this model is default ON. When you touch PHONE in the
main menu, if not successfully connected, you will see below
interface.

1.If not connect successfully, you need to press it and connect
manually.
2.Touch to see Bluetooth settings:

PHONE ---BLUETOOTH OPERATION MENU

1.ON/OFF: Turn on and turn off of Bluetooth when not using

2.Can turn on or turn off the function of listen to calls automatically

3.Can connect the devices automatically which have already been connected before.

4.PIN code: Default password"0000" for this unit to be connected with other device

5.Synchronization of the phone book of user's cellphone

6.Default Bluetooth name for this unit: Boss Audio BV9386NV.

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.

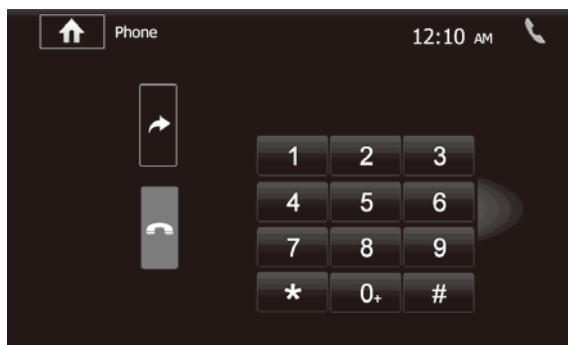4.Click to see the Bluetooth phonebook.
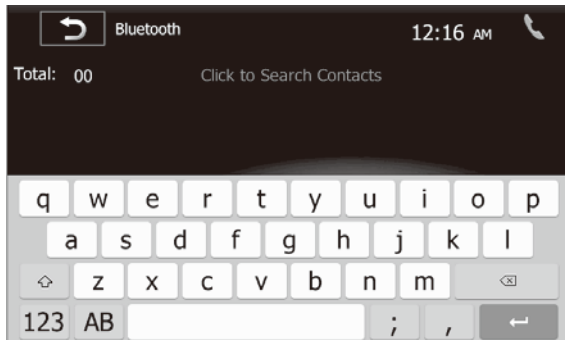
5.Click to see the Bluetooth call history.

BLUETOOTH CALL

1. Press to hang up the phone call.
2. Mute the phone.
3. Touch to talk through Bluetooth.
4. Touch to talk through cellphone.
5. Touch to get keypad.
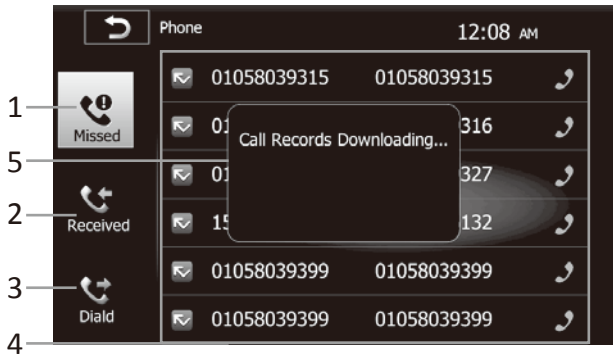
1.Touch to see missed calls.

2.Touch to see received calls.

3.Touch to see dialed calls.

4.Move up and down to search phone number.

5.It will show on beginning of updating the cellphone book of users' phone. And then will disappear.

PICTURE

Press PICTURE in the bottom line of main menu. You will see:

PICTURE

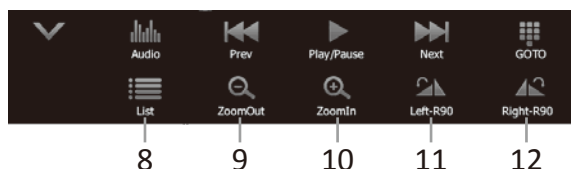| | | | | |
| 8 | 9 | 10 | 11 | 12 |

1.You can see the present picture sequence and total picture
2.Touch to OPEN/HIDE function bar.
3.Touch to see EQ setting menu.
4.Press to turn to the previous picture.
5.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.
6.Press to turn to the next picture.
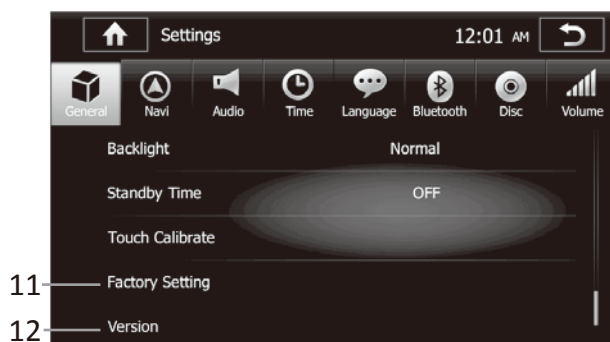7.Press to choose picture.
8.Touch to see picture list:

a.Press to go back to last picture interface.
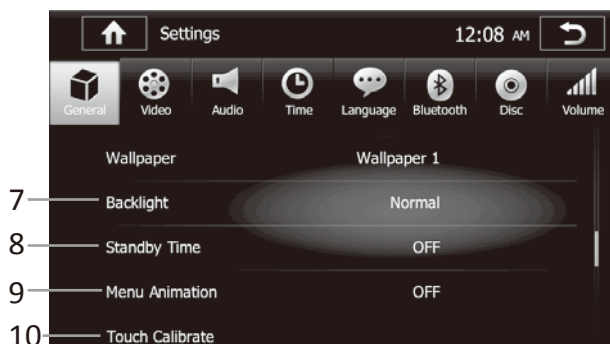b.Refresh the picture file of your SD or USB.

9.Zoom Out the present picture
10.Zoom In the present picture
11.Turn left 90 degree
12.Turn right 90 degree.

There are eight menus in setup:

GENERAL SETUP—Menu 1


1.Press to see different setup items.
2.Touch to choose radio field between:
USA/Europe/Latin/ORIT/China/Japan/Korea.
3.Touch to choose the navigation path.

SETUP MENU

4.Turn on if you have a rear view camera. Turn off if you don't have it.
5.Turn it on, it will go back from the main menu to the latest playing mode in 10S if you do not operate.
6.Touch to set wallpaper as you want from the 5 wallpapers storage of the system.
7.Backlight dimmer selection: Night/Dark/Normal/Bright.
8.Go sleep time: OFF(one minute/five minutes/ten minutes). Will show as below:
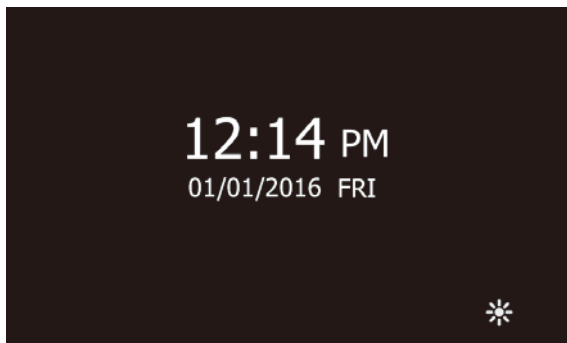
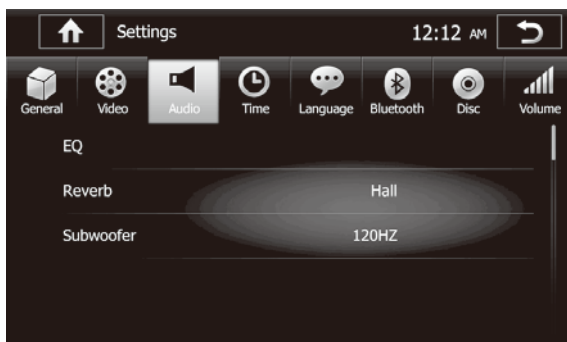9.Touch to choose the menu animation style:
Left-Right/Right-Left/Top-Bottom/Bottom-Top/Big-Samll/Small-Big/Gradient/Random
10.Touch to do calibration for the unit.
11.Load factory setting
12.Show the software version information.

VIDEO SETUP -Menu 2
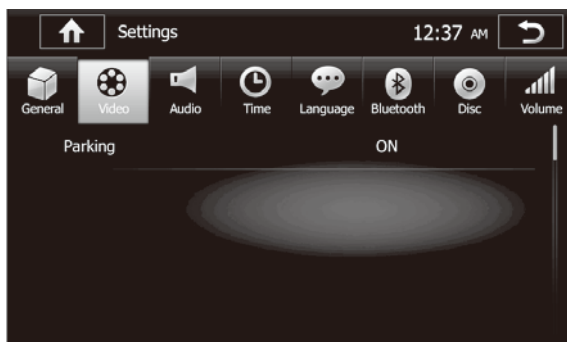
AUDIO SETUP -Menu 3

Reverb selection: OFF/Living
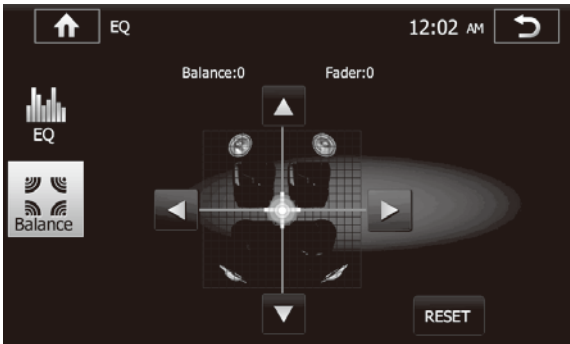room/Hall/Concert/Cave/Bathroom/Arena.
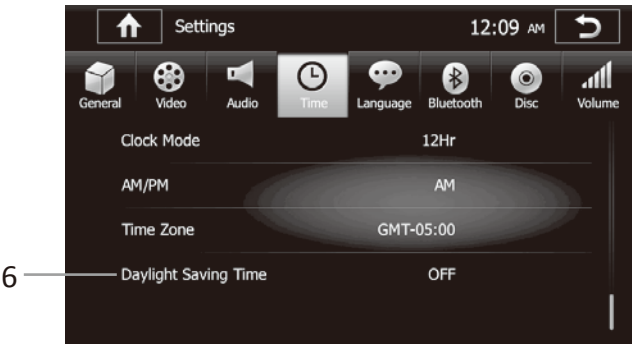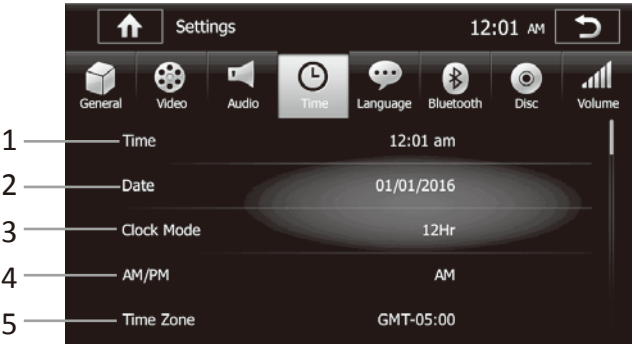Subwoofer selection: OFF/80HZ/120HZ/160HZ.

EQ Menu:

SETUP MENU

1.Press to choose the present Audio EQ set up menu.

2.Press to choose the audio playing mode:
LIVE/CLASSIC/ROCK/JAZZ/DANCE/POP. And USER is the default mode.

3.Area to set the equalizing.

4.Press to enter into Audio Control setup menu(Balance/Fader)

TIME SETUP -Menu 4

1.Touch to set the time of the unit manually.
2.Touch to set the date of the unit.
3.Touch to set the clock mode: 12hr/24hr
4.Touch to set AM/PM.
5.Touch to set time zone. Default time zone is:GMT-05:00
6.Touch to set Daylight Saving time ON/OFF

LANGUAGE SETUP -Menu 5

Default language is English and users can touch to set unit language from:
English/Francais/Deutsch/Espanol

BLUETOOTH SETUP -Menu 6
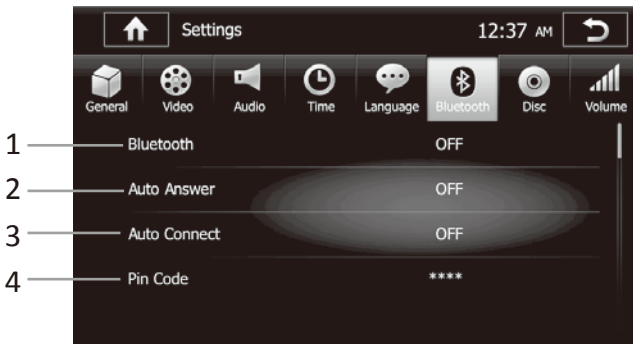
1.Bluetooth default is ON. Users can touch to set Bluetooth status: ON/OFF.
2.Default Auto Answer is OFF. Users can touch to set it: ON/OFF.
3.Default Auto Connect is on. Users can touch to set it: ON/OFF.
4.PIN code: Default password"0000" for this unit to be connected with other device.

SETUP MENU

DISC SETUP -Menu 7
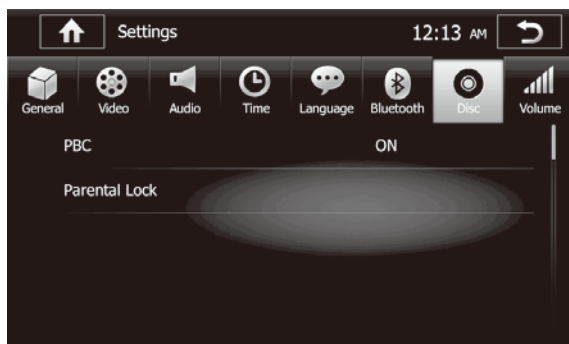
PBC: Touch to turn on/off the VCD PBC function.
Parental Lock: Touch to set the DVD level. Default password is
000000.

VOLUME SETUP -Menu 8

1.Touch to set BEEP sound: ON/OFF.
2.Turn on/off the navigation voice mix function. Turn on, once report
navigation information, and also have audio source play. Turn off,
there is only navigation broadcasting.

SWC-STEERING WHEEL CONTROL SETTING

Touch SWC enter SWC setting menu:
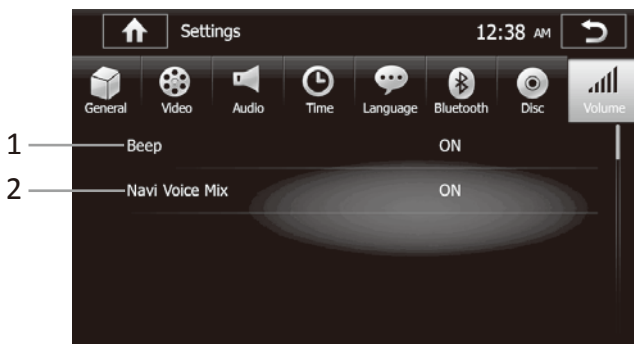
Press"OK"to start SWC leaming.

Start learning:

Set the POWER button as an example.

1.Press POWER button in the unit(Picture 1) ,then you will see reminder like picture 2, Press OK.

2.Press POWER key in your steering wheel. Then you can see the reminder in the unit like Picture .Setting successfully. Will show like Picture 3.

3.Click OK, and finished learning.

4.Repeat 1-3 to learning other keys.

Picture 1   **Picture 2**

Picture 3

SWC1: Select different SWC resistance to meet different cars. If you cannot finish all key pairing,you can press to select SWC2 SWC3,until all keys can learn.
NOTE: Click SWC1 you will lost all KEY learning before.

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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AUDIO SYSTEMS

Technical Service Bulletin

Steering Wheel Control Wiring Diagram
BV9386NV

For SWC interfacing we only recommend using the Metra Axxess ASWC with our models.
Please use the below steps as a guide to help with wiring to the Boss Audio BV9386NV.
If you have any questions, please call our Tech Support: 805.751.4853 (M-F 8:30a-5:00p PST)

Use the wired 3.5mm adapter that came with the interface, and connect the following:

ASWC	BV9386NV
Brown	Key A
Brown/White	Key B
GND	Key GND

When programming the Axxess interface, change the radio type to, "Type: 11"
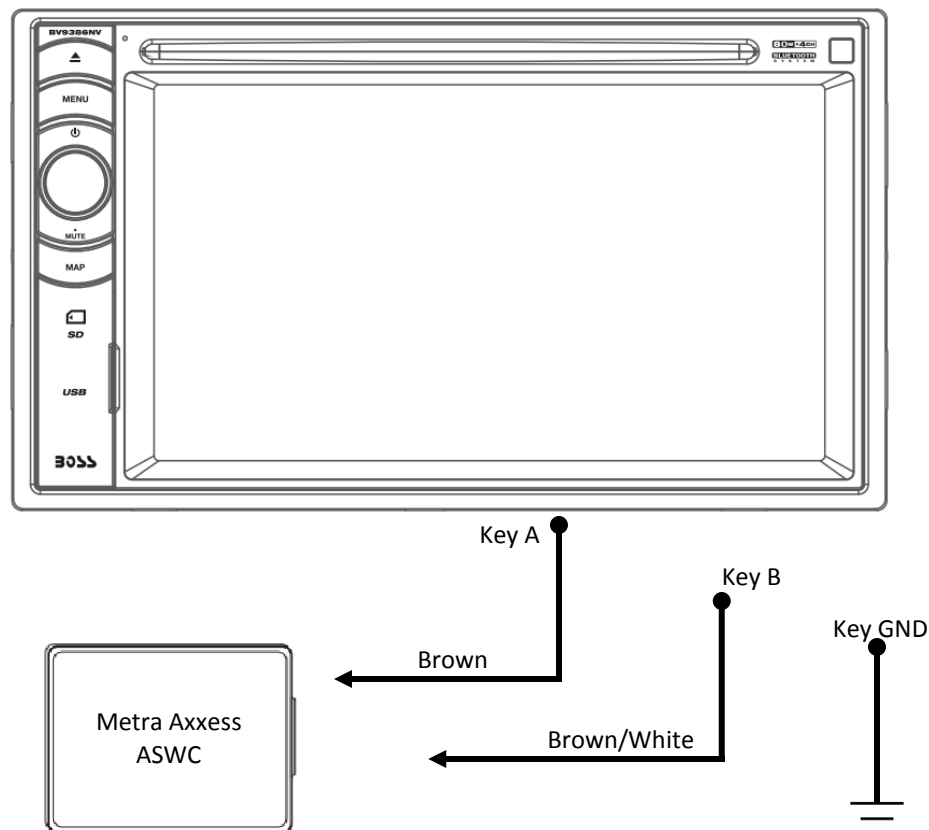
USER'S MANUAL

BV9386NV
BLUETOOTH® | BUILT-IN NAVIGATION | DVD/MP3/CD AM/FM RECEIVER

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