
USER'S MANUAL

BOYO®

VISION



AVN675D

- * 6.75"16:9 TFT LCD display
- * Touch screen
- * AM/FM radio, 30 preset radio stations
- * Double Din with fixed panel

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NOTE

1. Please read the instructions before using the unit, the damage caused by not following the instructions will not enjoy the warranty.
2. To drive safely and avoid break the traffic rules, do not watch program and operate the unit while driving.
3. To avoid short circuit, please do not exposure the device to rain.
4. To avoid short circuit, please do not put in the device or any metal objects left behind.
5. Not open the machine for maintenance by yourself, please go to the professional repair service station for repairing.
6. When the engine is turned off, please do not use the car audio a long time, otherwise the battery may run out.
7. Do not insert anything to the device's vent and other openings.
8. Damage to the screen carefully! Do not use sharp objects push, rub, Stroke the screen.

SPECIFICATIONS

Power supply - - - - -	DC 12V
Power range - - - - -	10.8-16.0V DC
Max operate current - - - - -	15A
Ground system - - - - -	Negative ground
Bluetooth - - - - -	2.0, class II
Audio - - - - -	RCA 4 Output, RCA 2 Input
Video - - - - -	RCA 2 Output, RCA 1 Input
Display - - - - -	16:9
Resolution - - - - -	800*480 Pixels
Max output power - - - - -	4*25W
Subwoofer Output - - - - -	1 Output

FM tuner

Frequency range - - - - -	87.5-107.9 MHz
Signal/Noise ratio - - - - -	55dB
Stereo separation - - - - -	30dB
Search station volt - - - - -	20-30dBuv
Distortion rate - - - - -	1.5%




AM tuner

Frequency range - - - - -	530-1710 KHz
Limit noise sensitivity - - - - -	32dB

DVD player

Signal/Noise ratio - - - - -	70dB
Frequency response - - - - -	20Hz-20KHz

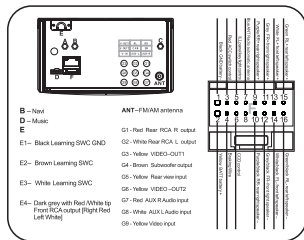
Accessories

Accessories	Picture	Quantity
Left Bracket		1
Right Bracket		1
White screw		8
Warranty card		1
Registration card		1
Manual		1
QRG		1
Power harness		1
Trim		1

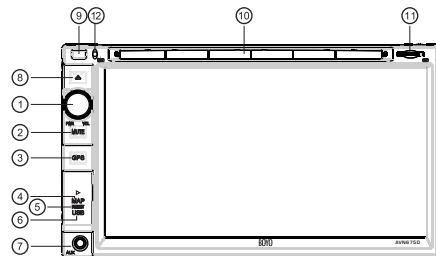
WIRING DIAGRAM

This player is equipped with ISO standard connector, please follow below instruction:

- Red - ACC ON (+12V)
- Yellow - 12 V Constant
- Black - Ground wire
- Blue - Power Antenna / Remote Amp Turn On
- Orange - Back-Up Camera Trigger (+)
- Grey/Grey black - Right front speaker (+/-)
- White/White black - Left front speaker (+/-)
- Purple/Purple black - Right rear speaker (+/-)
- Green/Green black - Left rear speaker (+/-)
- Parking Brake (-)



Panel function description



1. PWR / VOL button

Press this button to power on; In boot-up state, long press this button to power off; short press to return to main menu under an mode, rotating the knob to adjust the volume.

2. MUTE button

Press the button to close volume output, re-press it to resume previous volume level.

3. GPS button

Press it to enter or exit the navigation.

4. MAP slot

Insert a map card to read navigation map data.

5. RESET

Press this button can back to default mode.

6. USB slot

Connect USB mobile device to read video, audio and image files of large volume.

Warning: You can only use either front or rear USB at a time. Never connect both front and rear USB at the same time! This could cause malfunctions.

7. AUX slot

To input external audio.

Warning: You can only use either front or rear AUX at a time. Never connect both front and rear AUX at the same time.

8. Eject disc

Press this button can eject the disc.

9. IR

To receive infrared signals from the remote control matched with the unit.

10. Disk load slot

Disk loading / exit window.

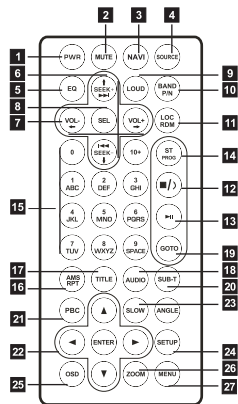
11. SD slot

Connect the SD memory card to this socket, and the unit can play MP3 music.

12. MIC

BT microphone input socket.

Remote control function

**1. POWER**

Press once to switch on, press again to switch off.

2. MUTE button

Press once to turn off audio output, press again to resume volume level.

3. NAVI button

Press it to enter & to exit the navigation.

4. SOURCE button

Press this button to choose audio sources.

5. EQ button

Press this button at the can switch between different modes.

6. SEEK+ (▶▶)/ SEEK- (◀◀) button

Press this button to manual turning, sped or quick back, previous song and next song.

7. VOL+ (→)/ VOL- (←)

Press this button to increase or decrease volume level.

8. SEL button

Press this button to choose sound feature.

9. LOUD button

Press this button to startup LOUD function.

10. BAND -P/N button

In radio mode, press this button to choose band.

In VCD, DVD mode, press this button to choose PAL, AUTO or NTSC system.

11. LOC/RDM button

In radio mode, press this button to switch between local and direction, In VCD, CD mode, press this key to randomly play.

12. STOP button

Press this button to stop playing.

13. PLAY/PAUSE button

Press this button to switch between play and pause, In stop mode, press this button to play.

14. ST/PROG button

In radio mode, press this button to choose stereo or mono station. In audio mode, it can help stop button to programmed play.

Troubleshooting

PROBLEM	CAUSE	CORRECT ACTION
Cannot power on	Check fuse	Change fuse same as the old one
	Some factors cause MPU wrong operation	Press RES button on the panel by penpoint, then, power on
After ignition switch off, setting information all lose	Change battery or fuse	Reset information and save
Poor performance of radio station	Weak signal	Move the car to another place, then research
Cannot load disk	There is a disk inside	Eject disk, then, slot in new disc
Cannot play disc	Disc is scratched	Change new disc
	Put wrong side of disc into the unit	Insert in the disc with sign side up
	Lens is dirty	Clean lens by lens clean disc
Cannot switch language/subtitle	There is only one language/subtitle in disc	If disc is not with multi-language/subtitle, it cannot switch language/subtitle
No image	Other factors cause MPU wrong operation	Press [RES] button on the panel by penpoint, then, power on
Cannot watch image during driving	It's not allowed to watch image during driving	Park the car in a safe place, put the car stall in "P" position, pull up the hand brake, parking brake wire must be grounded

General Settings

In the set interface click [GENERAL] icon, into the General set interface. (Password: 888888).

General settings have been set at the factory.

Language setting

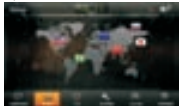
In the General Settings screen click [LANGUAGE] icon to enter the Language setting interface, as shown below:



Slide up and down to select your preferred language mode.

Regional radio

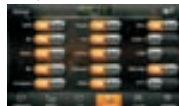
In the General Settings screen click [RADIO] icon to enter the Radio setting interface, as shown below:



Select your desired area.

System setting

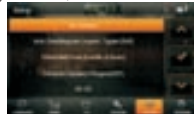
In the General Settings screen click [SYSTEM] icon to enter the System setting interface, as shown below:



You can choose the system settings interface has the feature is turned on or off.

Car Set settings

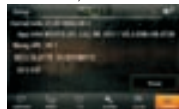
In the General Settings screen click [Car Set] icon to enter the agreement setting interface, as shown below:



You will need to set protocol, click the icon to confirm the save the settings.

Version Information

In the General Settings screen click [VERSION] icon to enter the Version Information interface, as shown below:



The version information is displayed please prevail in kind.

15. 0-10+ button

Press this button to choose desired song, section, preset stations. Decimal numbers, for example the 19th song, press 10+ and 9 button.

16. AMS/RPT button

In radio mode, press this button to browse stored stations. In audio mode, press this button to play repeatedly.

17. TITLE button

In DVD mode, press this button to play back to the top menu of disc.

18. AUDIO button

In DVD mode, press this button to switch language of dialogue. In VCD mode, press this button to choose left track, right track, and stereo.

19. GO TO button

In DVD mode, press this button, you can define playing time.

20. SUB-T button

In DVD mode, press this button to switch language of subtitle.

21. PBC button

In VCD mode, press this button to display all song menus, work with number button to choose songs.

22. UP, DOWN, LEFT, RIGHT, ENTER button

In DVD mode, press this button to move cursor up, down, left, right to choose item in menu, Press the enter button to confirm choice.

23. SLOW button

In audio mode, press this button to slow backward and slow forward.

24. SETUP button

In audio mode, press this button to choose different set items.

25. OSD display

Press this button to display the title chapter and the left time.

26. ZOOM button

In DVD/VCD mode, press this button to ZOOM in.

27. MENU button

Press button to back to the main menu.

BATTERY CHANGE

When control distance of remote control becomes shorter or no function, please change battery, please confirm polarity before change.

One hand press stopper, then pull out battery.



Put battery into controller.



Insert battery holder into controller.



Turn on/off Host

When the ignition switch is put in ACC or ON position, Press [⏻] button on the front panel to turn on the unit. After the host starts, hold [⏻] button for 3 seconds , the host will turn off.

Access main interface

In boot-up state, press [⏻] button on the panel to switch to main interface, as shown in below picture:



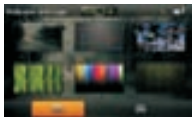
1. Touch [] in different interface style to switch between.
2. Press and hold the hide icon [] hold to the left and right drag, you can hide the location of the icon to the left or right.
3. Click the [] icon or gently with a touch pen or finger to the left and sliding screen to toggle the main menu page.
4. To reset the shortcuts with a touch pen or finger to hold down the icon to drag the icon to the shortcut bar to the bottom of the screen, move over the icon will replace the old icon. If you want to delete the shortcut icon, first press and hold the icon until the trash can icon and then drag to the trash.
5. The icon at the touch on the main interface [] to switch between day, night and off-screen three modes.
6. Touch the function icons so as to access the corresponding function operations.
7. Double-click the watch icon to enter the clock setting interface:
Click the [] icon to select your favorite type of clock. Click the [] icon unlock unlocked drag minutes to set the time, set up and click again to [] icon to lock the clock.



Wallpaper and Logo Setup

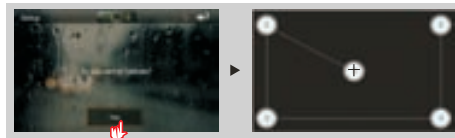
Click on the main interface [wallpaper] icon into the wallpaper and boot screen settings interface, you can choose your favorite wallpaper and boot screen.

Note: The start-up screen has been set at the factory.



Touch calibration

If touch calibration error occurs, you can adjust the touch coordinate by "Touch calibration". Click [CALIBRATION] icon on setup interface, click OK to pop up a [Do you want to calibration?] as shown below, click OK to confirm to access touch calibration interface:



Touching methods

Use touch pen to click the center of "+" icon, and move along with center of "+" icon so as to calibrate the screen, It shall automatically save data and exit after screen calibration. Please accurately click all positions on screen, or the accuracy of touch calibration shall be affected.

Serial port setting

In the set interface click [SET COMM] icon, into the Serial port set interface.



Choose good then click the [] icon to save your settings and exit the serial port settings interface.

Steering wheel setting

Click the settings interface [STEER] icon into the steering wheel settings interface.

Steering steps:

The original line of control of the vehicle side, the positive, the negative and machine side control line cathode, anode connection after connection:



① Touch [Reset] and press above the steering wheel buttons one by one, and record the appropriate sequence and function, touch [allocation].

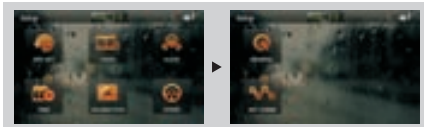
The steering wheel buttons

- ② Touch the desired distribution voltage value (such as: 2.00V).
- ③ select the appropriate settings (such as: volume +).
- ④ completed the steering wheel buttons will display the corresponding function.
- ⑤ After completing the settings, touch [OK] to save the settings.
- ⑥ For the reset function, can touch [Reset] (the original settings will all be cleared), and repeat Step ② ~ Step ④ for resetting.
- ⑦ You can also choose to set a good model of the steering wheel. Click the models select] icon pop-up model selection interface, select your car type click OK icon to save the settings.

Basic operation setup menu

Access setup interface

Click on the main screen [Setup] icon, enter the setting interface.
With a finger or touching pen to gently sliding screen can be set about switching interface.

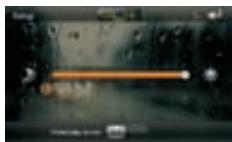


Navigation setting

Navigation path has been set at the factory, please do not enter the navigation setup interface to change the path freely, otherwise the procedure many lead to abnormal navigation.

Video setting

In the set interface click [VIDEO] icon, into the video set interface.



Brightness: Drag icon can adjust video the screen brightness.
Forbid play on run: Driving ban and click on play icon can open/close the function (Optional).

Audio setting

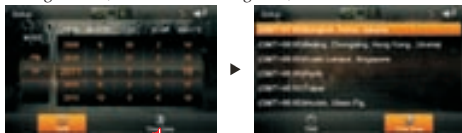
In the set interface click [AUDIO] icon, into the Audio set interface.



Click into sound effect default interface.
Press into loudspeaker interface, click to adjust the channel of loudspeaker, touch to get back to initial setting.
BEEP: click that icon to switch on/off that.
LOUD: click that icon to switch on/off that.
GPS. MIX: click that icon to switch on/off that.
EQ: click that icon to switch different mode.

Time setting

Click the Settings interface Time setting icon, enter the Time settings screen, 12h/24h interchangeable, as shown below:



In the year, month, day, hour, sub-office slide up and down to the relevant settings.
Zone is set to enter the time zone settings interface when clicked. Choose the time zone, click the icon to save your settings and exit the time setting interface.

Radio Function Operation

1. Enter/exit

Touch [Radio] icon in the main interface to enter into the radio interface.
Touch icon to return to main interface, and then touch other function icons so as to exit radio mode.

2. Operation stored radio

Each band can be stored six radio stations, radio stations can be stored directly click (P1-P6) choice, and will be displayed on the screen.

3. How to save radio stations

Select a band, and then select a radio station. Press and hold button (P1-P6) to select the preset number will appear in the corresponding number button on the screen.

4. Band selection

Touch icon so as to switch among FM1, FM2, FM3, AM1, AM2 bands.

5. Search/Save radio stations

Short touch the button, browse 1-6 sets of bits stored on the radio, Long touch the button to long-automatic station search, and the strongest radio signals P1-P6 are stored in the display position on the table.

6. Play radio station selection

Touch icon pop-up selection sets the keyboard input radio frequency selectable radio frequency spectrum or you can drag directly touch the icon to select a stored radio station.

7. Other Functions

Touch icon to access sound setting interface.

Touch icon so as to turn on/off loudness function.

Touch can enter icon spectrum interface. Double-click the spectrum can switch over the spectrum style.

Touch icon so as to turn on/off Long/Short-Range function.

Touch icon to turn on/off stereo.

8. RDS Function

RDS function provides series information (such as traffice information, name of station), and can automatically switch to the station with stronger signal and carries the same program.

AF: touch the button to turn on/off AF mode.

TA: touch the button to turn on/off TA mode.

PTY: touch the button the screen displays program types, users can search station according to program type.

NOTE: If the unit does not have RDS function, it has no AF/TA/PTY function, Touch the corresponding icon had no effect.



Disc Function Operation

1. Play/eject disc

Play disc

Insert the disc into the disc slot with the printing surface up, system will detect the disc and automatically take it in to read and play.

Eject disc

(1) Click [▲] button on the panel to eject the disc.

(2) If a disc has not been taken away 15 seconds after it is ejected, system will automatically take in the disc but not play.

⚠ **Do not insert two discs or more.**

2. DVD/VCD disc playback

During playback of disc, touch the middle lower area of the screen to pop up the touch menu, operate the touch menu to perform various playback controls.

3. CD Disc Playback

After a CD is inserted, system shall access disk reading state immediately.

When there is a disk in the device, click [Disk] at the main interface so as to access disk reading state.

After the disk being read out, system shall automatically play in sequence.

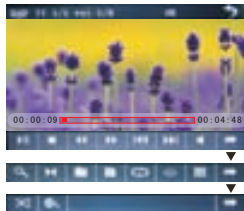
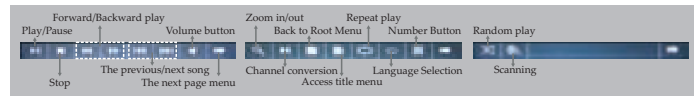
4. MP3/JPEG disk playing

When the disk contains readable files, such as MP3/JPEG files, it shall be automatically read out and played after slipping into DVD player.

During playing, touch the screen area and the touch menu shall pop up. Operate the touch menu for playing.

5. Touch Menu Function Description

The disc read, touch area of the screen, pop-up touch menu. Operate a variety of playback controls the touch menu.



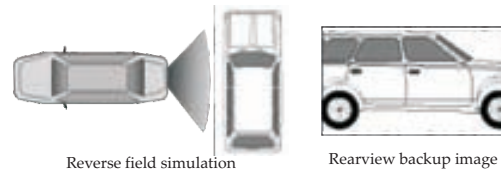
Other function operation

Rearview function

In any running state, the video signal can switch to reverse video state when reversing the car, and the system shall return to its initial running state after reversing the car.

⚠ Warning

Do not rely on CCD system completely, please make sure your car is safe by your eyes during driving. Back rearview system only assists in driving. As the distance range of rearview system is limited, completely relying on the rearview system during driving may cause accidents.



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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

COMPASS

In the main interface touch [COMPASS] icon, into a compass interface.

COUNTER

In the main interface touch [COUNTER] icon, into the counter interface.

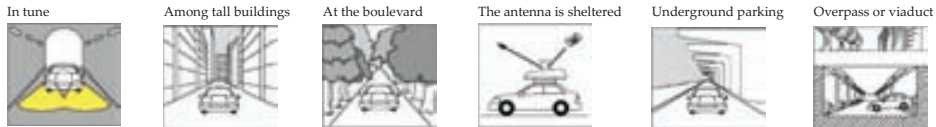
GPS Navigation Function Operation

1. Navigation Function Operation

For detailed operation of navigation function, see "Navigation Operation Manual".

2. Receiving signal error

When the satellite signals can be normally received, the error of standard GPS shall be about 7 meters, Driving on parallel sections, there shall be error even the product has auto-correct function. The normal receiving of satellite signals shall be affected and cause error in following environment.



3. Satellite receiver

Navigation system can keep receiving eight satellite signals. As a general rule, the navigation system can figure out your accurate location after received 3-4 satellite signals. But sometimes, weather and tall buildings in the city shall affect the signal receiving effect, as is shown in following figure:



— **Forward/Backward play**
Click the button, forward/backward play.

— **The previous/next song**
Click the button, The previous/next song.

— **Channel conversion**
Click the button, Switchable channel.

— **Back to Root Menu**
Click the button the DVD state can return to the root menu of the disc, VCD state can enter the PBC menu and playback.

— **Access title menu**
Press this button to return to title menu of the disk. Directly click menu bar at title menu interface for playing.

— **Repeat play**
In playing state, touch this button to start repeat play function: Chapter repeat → Title repeat → Entire disc repeat → Off.
 During VCD playing, this function only works when PBC is off.

— **Language Selection**
Touch the button, can switch subtitle language.
 Note: the need to support the the subtitle language discs have this feature

— **Number Button**
Click the button, pop-up numeric keypad. By click the numeric keypad for direct selections played.

U Disc/SD Card function operation

When there is a USB device/SD card connected, the unit can conduct the playback of audio/video/image files in the USB device/SD card.

Insert/Eject USB storage device

1. Connect a U disc recorded with media information to the unit by a USB connecting cable.
2. When there is a need to eject the USB device, exit the USB device playback screen first, and then take out the device.

Insert/eject SD card

1. Insert a SD card recorded with media information into the SD card slot in the unit correctly until it is locked.
2. When pulling out the SD card, exit SD card playing state first, then press the SD card and it shall pop up after unlocking.

Enter/exit


Insert a USB storage device or SD card to automatically play data contained in it. If the unit has connected with a USB device or SD card, touch [USB] icon in the multimedia interface to enter into the external storage playback interface; Touch [SD] icon to enter into the SD card playback interface. During playback, touch the top center area of the screen to pop up the touch menu, operate touch menu to perform various playback controls.

Play

After SD card/USB removable device being read out, the operation methods are similar to disk operation methods.

BT Function Operation

1. Enter/exit




Touch [BT] icon in the main interface to enter the BT interface, as PIC 1:
Touch  icon to exit BT interface.

2. Pair/link

To use BT hand-free function, make connection first, i.e. match the host with the BT mobile phone.

Operation methods:

Set the host to be matching state, and open the BT of your mobile phone and use the mobile phone to search device, the mobile phone shall prompt to match password with the BT when it has searched the BT device. Input BT password (0000) to the mobile phone and confirm. The mobile phone shall prompt whether authorize to this device, please select [Yes]. Phone and BT shall automatically connect within 20 seconds. Under any working mode, the host shall convert to BT state if there is an incoming call. And the host shall restore to current mode after hanging up.


 When the BT device matches with this device, the connection status shall display , otherwise, it shall display .

3. Dialing

You can dial on mobile phone directly or input phone number through the number buttons on the screen, click  to delete if there is input error. After input the phone number, click  to make a call.

4. Call records


In the BT interface of click  to access call records interface as PIC 2:

 **Dialed numbers:** Touch this button to check all the dialed phone numbers.


 **Received calls:** Touch this button to check all the phone numbers of received calls.


 **Missed calls:** Touch this button to check all the phone numbers of missed calls.

 **Delete:** Touch the button to delete a selected record.


 **All Delete:** Touch the button to delete all information in phone book.

5. Phone book

After the cellphone gets connected to the unit, you can read records in the phonebook of your cellphone and store information in the phonebook of the unit. In the BT interface of click  to access Phonebook interface as PIC 3:

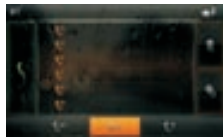
Touch  icon in the phonebook interface, the unit will automatically download phone numbers and put them in order.

6. BT Music

In the BT interface of click  to access BT music interface as PIC 4:



PIC 1



PIC 2



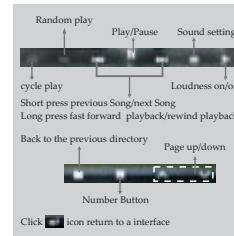
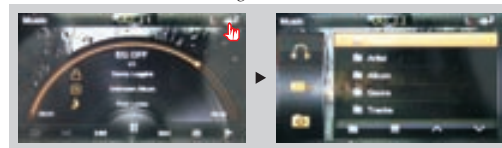
PIC 3



Previous song Play/Pause Next song
PIC 4

MUSIC function operation


Connect to Music first, touch [Music] icon on main interface to access Music interface, as shown in below diagram.



External input operation

Connect the video input plug with external video input jack, and connect the audio input plug with external audio input jack.

Touch [AV-IN] icon on main interface to access external input interface.

Click  icon into the sound settings screen.

 Loudness on / off.

