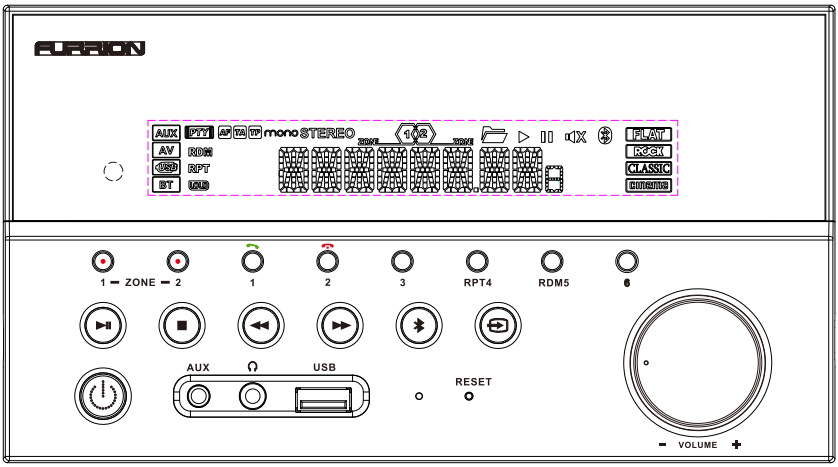
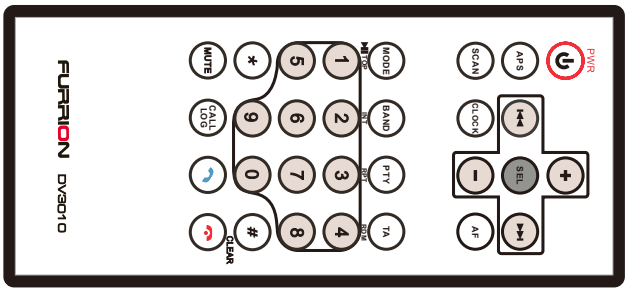
FURRION DV3010

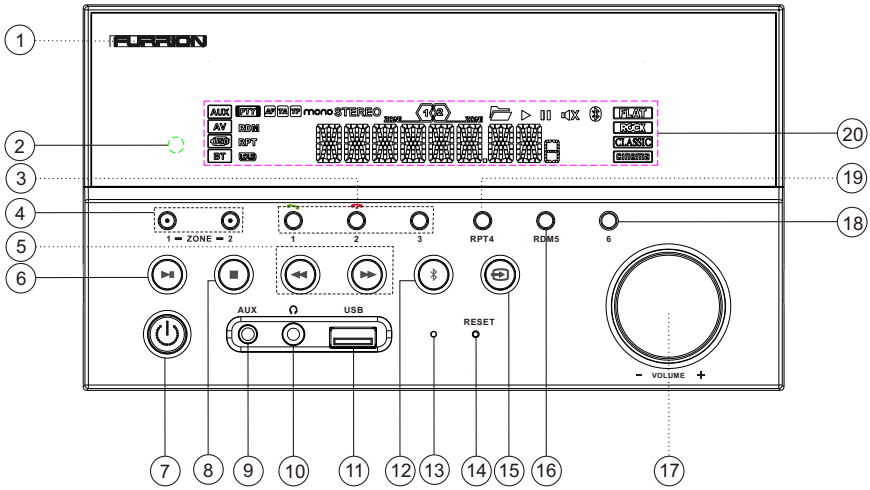
Instruction Manual





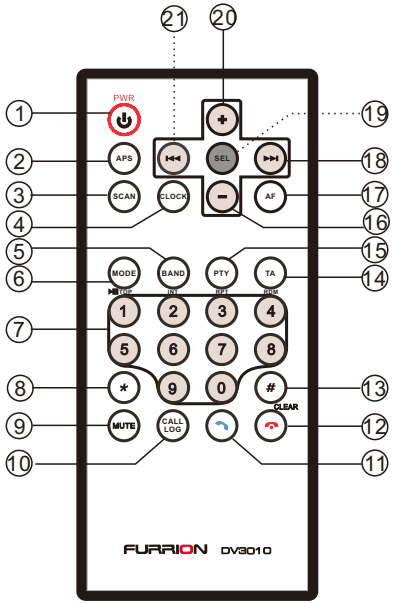
Entertainment System

Locations and Names of the Controls



1. NFC DETECTION AREA
2. IR REMOTE CONTROL SENSOR
3. 1/2/3 BUTTON
   1 TEL /REDIAL BUTTON
   2 HANG UP BUTTON
4.ZONE 1/2 BUTTON
5. ◀◀ / ▶▶ BUTTON
6.PLAY/PAUSE BUTTON
   RADIO REGION SELECT BUTTON
7.POWER BUTTON
8.STOP BUTTON
   AS/PS BUTTON
9.AUX IN SOCKET
10.HEADPHONE SOCKET
11. USB SOCKET
12.BT MODE BUTTON/EQ BUTTON
13.MICROPHONE IN
14.RESET BUTTON
15.INPUT MODE BUTTON/BAND BUTTON
16.5/RANDOM BUTTON
17.VOL KNOB/SEL BUTTON
18.6 BUTTON
19.4/REPEAT BUTTON
20.LCD DISPLAY

The remote control description



1.Power button
2.APS button
3.SCAN button
4.CLOCK button
5.BAND button
6.MODE button
7.NUMBER buttons(0~9)
  1/PAUSE/PLAY button
  2/ INT button
  3/RPT button
  4/RDM button
8. * button
9. MUTE button
10. T-M button
11.TEL button
12. HANG UP/CLEAR button
13. # button
14.TA button
15.PTY button
16.- button
17.AF button
18.UP button
19.SEL button
20.+ button
21.DOWN button

Common operation:

1. To turn the unit on/off .
   When the unit is power Off, it may be switched On by pressing **POWER** button.When the unit is switched On, press and hold POWER button for more than 1 second to switch the power off.

2. To select function mode
   Press **INPUT MODE** button on the front panel repeatedly to select Tuner,USB(After inserting a USB storage),BT, F AUX,AV and R AUX mode.

3. To adjust the volume level
   Rotate the **VOL KNOB** on the front panel or press the **+** or **-** button on the remote control to adjust volume level during playback.

4. Volume Adjust
   Rotate **VOL KNOB** clockwise to increase to increase volume,rotate anticlockwise to reduce volume.

5. To mute or resume sound

Press **MUTE** button on the remote control to eliminate or resume sound immediately during playback.

6. To select and adjust the mode of the sound and menu

Press **SEL** button repeatedly to select the mode of AF ON/AF OFF mode ,TA ON/TA OFF PTY NEWS/PTY MUSICS,NEWS/POP M,BASS,TRE(treble), LIR(balance), LOUD OFF/LOUD ON, VOL LAST/VOL DEFA, BEEP ON/BEEP OFF,DX/LOCAL (in RADIO mode),STEREO/MONO(in RADIO mode),SUBW ON /SUBW OFF,CLK XX XX, in the sequence and circulation.

In each item, rotate the **VOL KNOB** to select your desired mode.

1) VOL LAST/VOL DEFA

VOL LAST: The volume level when switching off will be restored with power On.

VOL DEFA: The volume level of the main unit after power on is a constant value.

When selecting VOL DEFA item, press SEL button to display AVOL , then you can pre-set the constant volume level after power on with VOL control.

2) BEEP ON/BEEP OFF

BEEP ON mode: The beep is generated when any key is pressed.

BEEP OFF mode: The beep sound is disabled.

3) DX/LOCAL

Radio station search mode is divided by this DX/LOCAL switch, which can be used to control an attenuator in the tuner during search. The detecting level of seek, scan, auto-memory will be reduced as much as the attenuated level of the tuner. In radio mode, press the LOC button to change local reception or distance reception. (Note: This button is only for FM reception. In AM mode, LOC is invalid.)

4) CLK XX XX

When select CLK XX XX mode, Rotate the **VOL KNOB** to adjust HOUR, press SEL button for confirmation. With the same means to adjust MINUTE.

7.To select a preset EQ mode

Press and hold **BT** button on the front panel to select the preset music equalizer curves: FLAT,CLASSIC,ROCK,CINEMA,EQ OFF. The sound effect will be changed.

8..ZONE 1/2 Button

Pressing **ZONE 1** or **2** button will turn on or off the audio source in each of the different areas which your speakers are connected. “ZONE <1>” or “ZONE <2>” will display on the LCD once it is selected.

9. To reset unit

When the display is incorrect, or the function buttons are not effective or sound is distorted, then use a sharp point to press **RESET** button, that will make the unit be reset to factory default and re-instate the correct functions.

Radio Operation

1. FREQUENCY SELECT
   In RADIO mode. Press and hold **PLAY/PAUSE** ►II button for about 5 seconds to select your desired frequency EUROPE,USA1,USA2 or AUSTRALIA.
2. AM/FM BUTTON
   In RADIO mode, press and hold **INPUT MODE** button on the front panel or briefly press **BND** button on the remote control to select your desired radio band of FM1, FM2, FM3, AM1, AM2 , and the selected band will be displayed on the LCD of the front panel.
3. TUNE/SEEK UP/DOWN
   In RADIO mode:

1) Press and hold ◄◄ or ►► button on the front panel or Press and hold I◄◄ / ►►I button on the remote control to automatically search down/up for a available station from the current frequency.
2) Press ◄◄ or ►► button on the front panel or press I◄◄ / ►►I button on the remote control to manually search up or down with step by step for your desired station from the current frequency.

4. APS BUTTON & SCAN BUTTON
   In RADIO mode:

1) When pressing and holding **APS** button on the remote control or press and hold ■ button on the front panel, the radio searches from the lowest frequency and checks the signal strength level until 1 cycle search is finished.And then the 6 strongest stations are preset to the corresponding preset number memory bank. The AS operation is implemented in each bank of the selected band. When the AS operation is finished, it will resume broadcasting on the M1.(It can store 3x6 stations for FM and 2x6 stations for AM in all)

2) When briefly pressing **APS** button on the remote control or press ■ button on the front panel, the radio searches for each preset station from the M1. When the field strength level is more than the threshold level of the stop level, the radio holds at that preset number for a few seconds with releasing mute, and then searches again.
After finishing a circle of searching, it will stop searching on the M1.

NOTE: In FM band, FM1,FM2,FM3 is checked one at a time.
In AM band, AM1, AM2 is checked one at a time.

3)Press the **SCAN** button on the remote control to scan the radio frequency. If a valid signal has detected, the current frequency will be hold and blinking for 5 seconds, then press SCAN again to stop and remain the current frequency;otherwise, the radio will go on to scan the other radio frequency 5 seconds later.

5. PRESET STATION [1-6] BUTTONS
   In RADIO mode:

1) To memorize the current frequency on the current band, press and hold any one of the six preset buttons (1-6) .

2) To recall the preset memory on the current band, press one of the preset buttons [1-6] .

6. STEREO/MONO BUTTON
   Press **ST** button on the remote control to select the STEREO or MONO sound mode for FM band.

7. LOC BUTTON

1) In RADIO mode, when the signal of the distance radio station are very weak and the receiving effect is bad during tuning, press **LOC** button on the remote control to turn off the LOC function, then tune again for the distance radio station;

2) In RADIO mode, when the signals from the local radio stations are too strong, this could lead to interference. press **LOC** button on the remote control to turn on the LOC function, Re-tune for the local station required.

8. To search for stations with a PTY (PROGRAM TYPE) program

Press and hold **SEL** button on the front panel or press **PTY** button on the remote control to select one of PTY programs:

PTY MUSIC----------	PTY NEWS
1. POP M, ROCK M	1. NEWS, AFFAIRS, INFO
2. EASY M, LIGHT M	2. SPORT, EDUCATE, DRAMA
3. CLASSICS, OTHER M	3. CULTURE, SCIENCE, VARIED
4. JAZZ, COUNTRY	4. WEATHER, FINANCE, CHILDREN
5. NATION M, OLDIES	5. SOCIAL, RELIGION, PHONE IN
6. FOLK M	6. TRAVEL, LEISURE, DOCUMENT

When turning on a PTY program, the PTY program and PTY word is flashed on LCD. After selecting a desired PTY program and no operation for 5 seconds, it will search for the station of the PTY program. During 1 loop, if the desired station of the PTY program is not found,it returns to previous normal radio and PTY icon disappears.

9. AF [ALTERNATIVE FREQUENCIES] BUTTON

When pressed briefly, AF switching mode is selected and the state of AF switching mode is displayed by AF segment in display.

Segment off: AF switching mode off.
Segment on: AF switching mode on, and has RDS information.
Segment flashing: AF switching mode on, but RDS information is not received yet.

When AF switching mode is selected, the radio checks the signal strength of AF all the time. The interval of checking time of each AFs depends on the signal strength of the current station, from a few minutes for strong station to a few seconds for weak station. Every time that new AF is stronger than current station, it switches over to that frequency for a very short time, and the NEW FREQUENCY is displayed for 1-2 seconds. Because the mute time of AF switching or checking time is very short, it is almost inaudible in case of normal program.

During FM mode, when AF is on, SEEK, (SCAN), AUTO-MEMORY function can only receive and save RDS program.

10. TA [TRAFFIC ANNOUNCEMENT] BUTTON

When TA mode is on(TA is displayed on LCD), it will begin to seek TA station and TA SEEK will be displayed on LCD for a while.

When traffic announcement is transmitted:

1). If the unit is in SD, USB mode, it will switch to radio mode temporarily.

2). If volume level is below 20, volume level is raised to 20, and returns to its previous mode and volume level when the traffic announcement is over.

If volume is adjusted during traffic announcement, only the traffic announcement volume is valid

USB Operation

1. Pause Playback

During playback, press **PLAY/PAUSE** ▶II button on the front panel or remote control to pause the playback, press **PLAY/PAUSE** ▶II button again to resume normal playback.

2. Stop Playback

During playback, press **STOP** button once to pause the playback, then press the **PLAY/PAUSE** ▶II button to resume the normal playback;
press **STOP** button twice to stop the playback, then press **PLAY/PAUSE** ▶II button to start playback from the beginning of the first chapter/track.

3. Select Chapter with the ◀◀ or ▶▶ button or |◀◀ / ▶▶| Button

Press ◀◀ or ▶▶ button on the front panel or |◀◀ / ▶▶| Button on the remote control during playback to select the previous or next chapter to playback.
Note: Press ◀◀ or ▶▶ button or press |◀◀ / ▶▶| Button multiple times to advance multiple chapters/tracks backward or forward .

4. To scan tracks
During playback, press **INT** button on the front panel briefly to play the first 10 seconds of each track.
Press **INT** button again to cancel INT function and retain playing the track currently selected.

5. To repeat track(s)
During playback, press **RPT** button briefly to play the current track repeatedly, and the LCD will display RPT ONE.
Press RPT button twice to play the tracks in the Album repeatedly, and the LCD will display RPT DIR.
Press RPT button thrice to play the tracks of the albums, and the LCD will display RPT ALL.
Press RPT button again to cancel RPT function, and the LCD will display RPT OFF.

6. To play tracks in random
During playback, press RDM button briefly to play all tracks in random. Press it again to cancel RDM function.

7. Tracks search
Press **APS** button on the remote control, it will activate TRK SEARCH mode. The LCD will display TRK 0/00/000(deside on the total number of tracks in the USB stick) and flash the 0 on the biggest digit position. Then press **+** or **-** button on the remote control to select number on the flashing digit position from 0 ~ 9, Press APS button to change the position and with the same means to select numbers in the other position. After finishing selecting the numbers on all digits position, press **PLAY/PAUSE** ▶II button to play the track of the selected serial number.

Bluetooth Handsfree System

1. Pairing and connection

1) Turn on the Bluetooth mode of the mobile phone;

2) Select the item of Finding the Bluetooth Device and enter it. After finishing the finding,it will show the name of the Bluetooth Device **FURRION DV3010-XXXX** (where **X** can be any character **A-Z** or number **0-9**) .Select it and enter it, then it will show an interface that ask you to input a password, input the password 0000 and enter it. Then it will tell you pair OK.

3) For some mobile phones, they can automatically connect with the BT device of the car audio system after pairing is ok; for some mobile phones, they need to select the paired BT device and press the CONNECTION button . When connection is ok, the LCD of the car audio system will show LINK OK.

2. Use the mobile phone to do connection or disconnection

In the connection status, find the paired and connected Bluetooth Device, then press the disconnection button to do disconnection.

In the disconnection status, find the paired and disconnected Bluetooth Device, then press the connection button to do connection.

3. In the connection status: Mobile phone transfers to the car audio whenever a dialling takes place; mobile phone transfers to the car audio whenever receiving a call.

4. Dialling when in connection status

4.1 Dial with the mobile phone directly.

4.2 Dial with remote control with the following procedures:

(1)Press **TEL** button to CALL mode, the LCD will display CALL

(2)Input telephone number with number button 0~9.

* Short press **CLEAR** button to cancel the wrongly input number if necessary

(3)Short press **TEL** button to execute the dialing.

4.3 To redial the last phone number dialed

Short press **TEL /1** button on the front panel,it will show CALL OUT on the LCD, then it will execute the dialing.

5. Accept/Reject/End Call

5.1 Incoming call ringing, short press **TEL** button on the remote control or **1** button on the front panel to accept the call.

5.2 To reject Incoming call ringing, short press **HANG UP** button on the remote control or **2** button on the front panel to REJECT the call.

5.3 During a phone call, short press **HANG UP** button on the remote control or **2** button on the front panel to end the call.

Note: When an incoming call is present the LCD of the DV3010 will display CALL IN.

6. In BT mode, press **CALL LOG** button to check the LAST DIAL,LAST IN,LAST MISS phone numbers(press **+** or **-** button to rotate)

7. To play an audio file from an external Bluetooth device(mobile phone) of the DV3010

After the device has been paired successfully and the DV3010 screen displays LINK OK

If your mobile device supports A2DP you will then be able to stream music from your Bluetooth device so it can be played by stereo speaker.

You must select on your mobile Bluetooth device to play the audio through Bluetooth.

If your mobile device supports AVRCP then you will be able to control the basic phone audio output functions by the Wall mount Stereo controls. Eg.Play Pause.

Note: During other modes(execpt Bluetooth conversation), press **BT MODE** button on the front panel to switch the mode with others.

8.To setup your Stereo using NFC(only support mobile phone with NFC function)

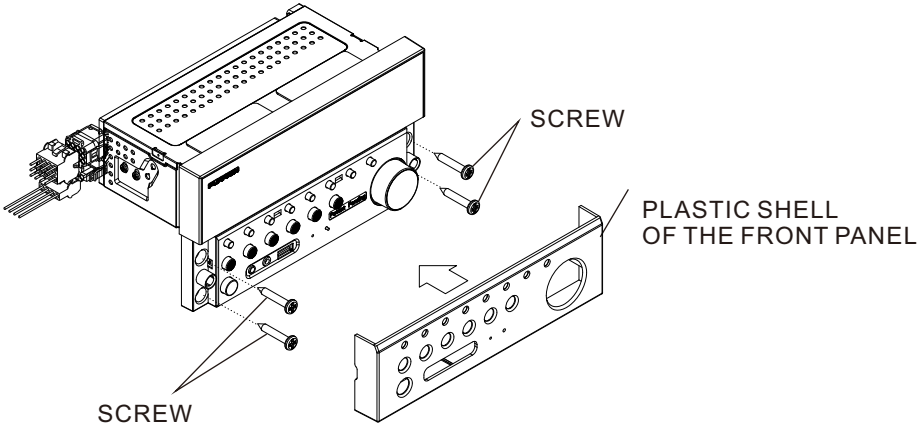
(1) Turn on the NFC function of your mobile phone and make sure the screen is active and unlocked.

(2) With the NFC detection area of your phone touch with the NFC detection area of the Stereo, you can connect or disconnect your mobile phone with the Stereo conveniently.

Note: For the first time pair and connect, it will ask you to input a password. The password is “0000”.

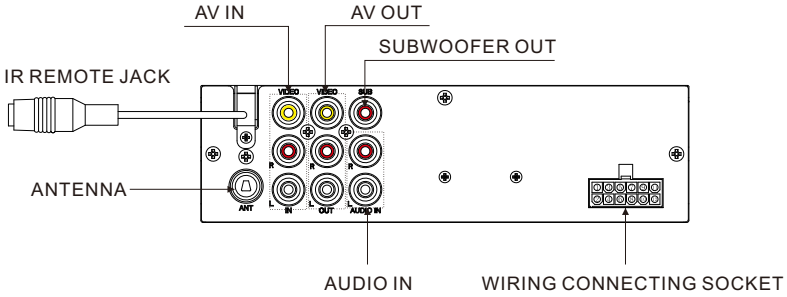
Installing the unit

* Before finally installing the unit, connect the wiring temporarily and make sure the unit and the system work properly.
*Fix the unit with screw according to following diagram.

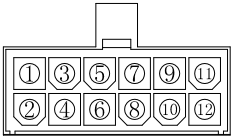


1. Remove plastic shell of the front panel from the unit.
2. Fix the unit with 4 pieces #8 pan head self tapping screw.
3. Put back plastic shell of the front panel to the unit.

Wiring Diagram



Wiring connecting socket view



PIN NO	COLOR	FUNCTION
1	GREY	FRONT RIGHT SPEAKER (+)
2	GREY/BLACK	FRONT RIGHT SPEAKER (-)
3	WHITE	FRONT LEFT SPEAKER (+)
4	WHITE/BLACK	FRONT LEFT SPEAKER (-)
5	GREE/BLACK	REAR LEFT SPEAKER (-)
6	GREE	REAR LEFT SPEAKER (+)
7	PURPLE/BLACK	REAR RIGHT SPEAKER (-)
8	PURPLE	REAR RIGHT SPEAKER (+)
9	BLUE	AUTO ANTENNA
10	NONE	
11	RED	MEMORY B+
12	BLACK	GROUND

Supported Audio Format				
File Extension	Audio Codec	Bit Rate	Sampling Rate	Remark
.mp3	MP3	16kbps - 320kbps	8k - 48kHz	
.wma	WMA	16kbps - 320kbps	8k - 48kHz	WMA only support WMA7/WMA8/WMA9 (CBR/VBR) (only support 353 format)

Note: Reading the above file formats is not guaranteed.

Specification

GENERAL	
Supply Voltage	DC 12V
Current Consumption	Max.10A
Power Output	4x 25W RMS
Number of channels	2 STEREO channels.
Unit Dimensions	(L X W X H): 200x110.5x105(mm)
FM SECTION	
Frequency range	87.5Mhz - 108Mhz (Europe) 87.5 Mhz - 107.9Mhz(U.S.A.) 87.5 Mhz - 108Mhz(Australia)
Effective sensitivity	3uV.
I.F Frequency	10.7MHz.
AM SECTION	
Frequency range	522Khz - 1620Khz(Europe) 530khz - 1710Khz(U.S.A.) 522 Khz - 1710Khz(Australia)
Effective sensitivity	40dB
I.F Frequency	450KHz
Preamp Output	2 V Output
USB PLAYBACK	
System	MP3 audio system
Frequency characteristics	20Hz -100Hz <=5dB 10KHz-20KHz <=5dB
Signal to noise (USB)	50dB [1KHz]

FCC Notice:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment complied with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Note: It must not be collocated or operated in conjunction with any other antenna or transmitter.