FURRION

Entertainment System
DV7200S
User Manual

Welcome

Thank you for purchasing this Furrion® Entertainment System. Before placing your new product into operation, please read these operating instructions carefully. They contain important information for safe use, installation and maintenance of the product.

Please keep this u manual in a safe place for future reference. Pass it onto possible new owners of the product. The manufacturer does not accept responsibility for any damages that may arise due to non-observation of these instructions.

Contents

FCC Statements

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.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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IC Statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
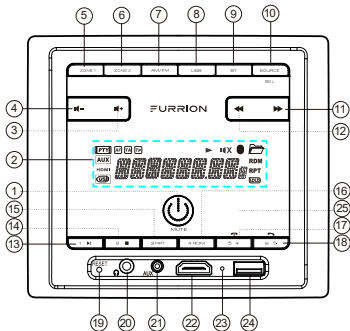
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage;
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC RSS - 102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR - 102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.
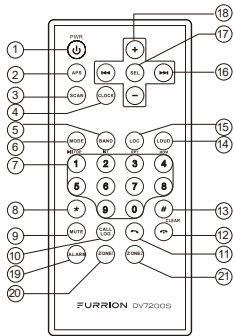
Item	Button
1	Power & Mute
2	LCD Display
3	Volume +
4	Volume -
5	ZONE 1

Locations and Names of the Controls

Item	Button	Item	Button	Item	Button	Item	Button
⑥	ZONE 2	⑪	Next	⑯	4/RDM	㉑	Aux In Jack
⑦	AM/FM	⑫	Previous	⑰	5/Backlight/Hang up	㉒	HDMI In Jack
⑧	USB	⑬	1/Play/Pause	⑱	6/Clock Adjust/Alarm/TEL	㉓	Microphone
⑨	BT	⑭	2/STOP	⑲	RESET	㉔	USB Socket
⑩	SOURCE/SEL	⑮	3/RPT	⑳	Headphone Socket	㉕	NFC Detection Area

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Item	Button
①	POWER
②	APS
③	SCAN
④	CLOCK
⑤	BAND

Item	Button
⑥	MODE
⑦	Number(0-9) 1/ PLAY/ PAUSE /TOP Button 2/INT Button 3/RPT Button 4/RDM Button
⑧	* Button

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Remote Control

Item	Button
9	MUTE
10	CALL LOG
11	TEL
12	HANG UP
13	# Button

Item	Button
14	LOUD
15	LOCAL
16	UP & DOWN
17	SEL
18	+ & -

| Item	Button
19	ALARM
20	ZONE 1
21	ZONE 2

Installation

Location

- Choose a mounting location away from humid areas, water sources, burning products or any equipment that can radiate heat.
- Select an area on the wall or cabinet, which is free from cable, fuel or brake lines. There is a vent hole at the back of the unit for cooling purpose, do not block it.
- Ensure when the stereo is mounted in the cut out that the wires at the rear of the unit are not pressed against the heat sink.

Installing the unit

- Before finally installing the unit, connect the wiring temporarily and make sure the unit and the system can work properly.
- Fix the unit to the wall using 4 self-tapping screw as indicated in the illustration.

Installation

Screw

Screw

Plastic frame of
the front panel
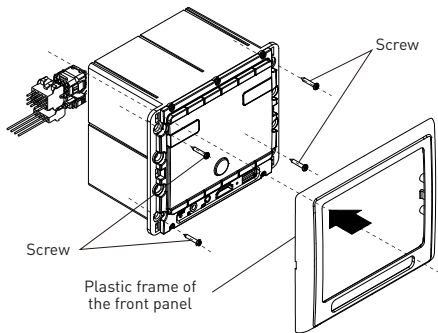
1. Remove plastic frame of the front panel from the unit.
2. Fix the unit to the wall with 4 #8 pan head self-tapping screw.
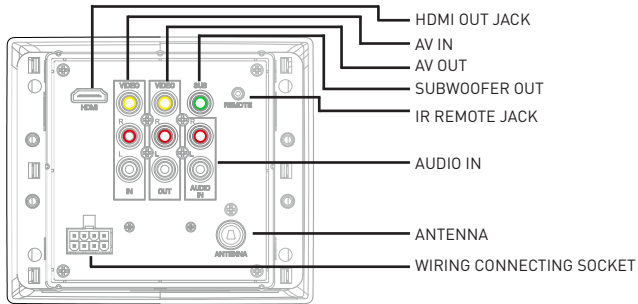3. Replace the plastic frame of the front panel to the unit.

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

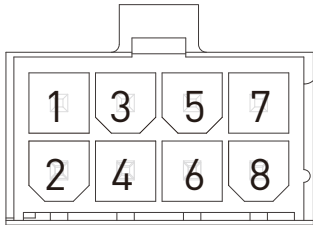**NOTE:** Reading the above file formats is not guaranteed.

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Connections

Wiring Diagram

HDMI OUT JACK
AV IN
AV OUT
SUBWOOFER OUT
IR REMOTE JACK

AUDIO IN

ANTENNA
WIRING CONNECTING SOCKET

Wiring connecting socket view

Item	Color	Function
①	Green	Zone 2 Left Speaker(+)
②	Purple/Black	Zone 2 Right Speaker(-)
③	White	Zone 1 Left Speaker(+)
④	Gray/Black	Zone 1 Right Speaker(-)
⑤	Gray	Zone 1 Right Speaker(+)
	White/Black	Zone 1 Left Speaker(-)

Connections

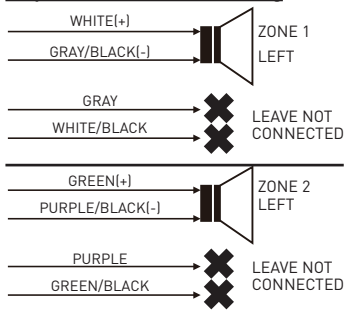| Item	Color	Function
⑥	Purple	Zone 2 Right Speaker(+)
	Green/Black	Zone 2 Left Speaker(-)
⑦	Red	+12V DC
⑧	Black	Power Ground

NOTE: All speakers must be connected as shown. If one wire is removed or not connected properly, all speakers on relevant zone will fail to work. It is of importance to pay attention in speaker polarity. Connection with incorrect speaker polarity will lead to poor sound quality.

Connections

4-Speaker (2 ZONE) Wiring

WHITE	
ZONE 1 LEFT SPEAKER(+)	ZONE 1
WHITE/BLACK	LEFT
ZONE 1 LEFT SPEAKER(-)	
GRAY	
ZONE 1 RIGHT SPEAKER(+)	ZONE 1
GRAY/BLACK	RIGHT
ZONE 1 RIGHT SPEAKER(-)	
GREEN	
ZONE 2 LEFT SPEAKER(+)	ZONE 2
GREEN/BLACK	LEFT
ZONE 2 LEFT SPEAKER(-)	
PURPLE	
ZONE 2 RIGHT SPEAKER(+)	ZONE 2
PURPLE/BLACK	LEFT
ZONE 2 RIGHT SPEAKER(-)	
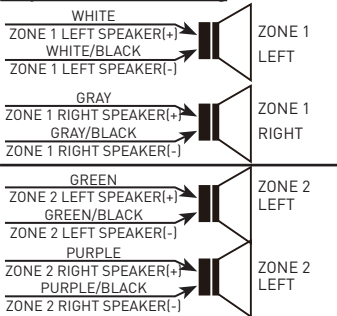
2-Speaker Mono (2 ZONE) Wiring

WHITE(+)	ZONE 1
GRAY/BLACK(-)	LEFT
GRAY	LEAVE NOT
WHITE/BLACK	CONNECTED
GREEN(+)	ZONE 2
PURPLE/BLACK(-)	LEFT
PURPLE	LEAVE NOT
GREEN/BLACK	CONNECTED

(15)

Operation

Common Operation

1. To turn the unit On/Off
   When the unit is powered **Off,** it may be switched On by pressing the **POWER** button. When the unit is switched On, press and hold the **POWER** button to switch if off.
2. To select the function mode
   Press **AM/FM, USB, BT** button on the front panel to select the corresponding mode.
   Press **SOURCE** button repeatedly on the front panel to select HDMI, AUX, AV mode.
3. To adjust the volume level
   During playback, press **VOLUME+** or **VOLUME-** button on the front panel to increase or decrease the volume.
4. To mute or resume the sound
   During playback, press **MUTE** button on the front panel to mute or resume the sound immediately.
5. To check speaker output status and select speaker output
   Short-press **ZONE 1** or **ZONE 2** button on the front panel to check the speaker output status. Press and hold **ZONE 1** or **ZONE 2** button on the front panel to turn on/off the corresponding speaker output, "**Z 1 ON/OFF**" or "**Z 2 ON/OFF**" will be displayed on the LCD.
6. To set the sound mode and menu

Operation

Press and hold **SEL** button to turn on BASS, then press **SEL** button repeatedly to select or circulate through TRE (treble), EQ OFF (FLAT/...AMERICA3/AUSTRALIA/EUROPE (in radio mode), press VOLUME+/- to change the settings. Press **SEL** button to confirm your selection.
– 1) BEEP ON/BEEP OFF
  BEEP ON mode: The beep is generated when any key is pressed.
  BEEP OFF mode: The beep sound is disabled.
– 2) VOL LAST/VOL DEFA
  VOL LAST: The last volume level setting will be saved automatically after switched the unit off, and restored after powered on.
  VOL DEFA: Press **SEL** button on the front control panel, the **AVOL** mark will be displayed on LCD. Use VOLUME+/- to set the volume level as a constant value.
– 3) DX/LOCAL
  In Radio mode, with the DX/LOCAL selection you can change the attenuator settings at the input stage of the radio. This selection helps to avoid overloading the radio when strong (local) stations are received. Select DX (distant) mode to receive far / weak radio stations (highest sensitivity settings are enabled) and select LOCAL for very strong stations (which are located nearby).
  (**NOTE:** This button is only for FM reception. In AM mode, LOC is invalid.)

Operation

7. To display and adjust the time
   Press and hold 6 button until the clock becomes flashing. Use **VOLUME+/-** button to adjust the hour, and ◄◄ / ►► button to adjust the minute.
8. To adjust the backlight brightness
   Press and hold **5/BACKLIGHT** button repeatedly to adjust the backlight.
9. Alarm Function
   – 1) To turn On/Off the alarm mode
     Press **6** button repeatedly to enter the alarm setting mode. (Use **VOLUME +/-** button to select **ALARM ON** or **ALARM OFF**)
   – 2) To set the **ALARM** time
     Press and hold the **6** button repeatedly to ALARM time setting mode (the LCD will display the time "**AM 00'00**"), then use the ◄◄ / ►► to set the **MINUTE** and **VOLUME +/-** button to set the HOUR.
10. To reset the unit
   – 1) Press **RESET** button with a cuspidal object. The unit will be reseted to factory default settings.
   – 2) In AUX mode, press and hold **2/STOP** button until the LCD displays "**RESET III**", then press and hold **3/RPT** button to reset to the factory default settings.

Radio Operation

1. To select radio band
   Press **AM/FM** button repeatedly to select a desired radio band in sequence and circulating as:
   -->FM1-->FM2-->FM3-->AM1-->AM2-->.
2. To search for radio station manually or automatically
   – In radio mode, press ◄◄ / ►► button to search your desired radio stations up/down manually.
   – Press and hold ◄◄ / ►► button to search for the strongest station up/down automatically.
3. To store current station or turn on a preset one
   – 1) If you want to store the current station, press and hold **AM/FM** button until the frequency flashes, press one of the digit buttons from 1~6 to store the current station in the preset memory bank. In this way the unit can store 30 preset stations.
   – 2) Press one of the 6 buttons from 1~6 to enter the preset station in current band.
4. To auto search and store the top 6 strongest stations
   In radio mode, press and hold **2/STOP** button on the front panel, the unit will start to search the available stations and check the signal strength from the lowest frequency. The top 6 strongest stations will be saved to the corresponding preset numbered button 1~6.
5. To set the frequency
   Press and hold **SEL** button to turn on BASS, then press **SEL** button repeatedly to select AMERICA3, AUSTRALIA or EUROPE area, press **VOLUME+/-** button to select your desired frequency. Press **SEL** button to confirm your selection.

Operation

USB Operation

1. To insert or pull out the USB stick
   To play the tracks in USB disk, insert the USB disk into the USB port. The playing mode will be changed to USB mode automatically and the USB mark will be displayed on LCD.
2. Press ◄◄ or ►► button to play previous or next track.
3. To play fast forward or backward
   Press and hold ◄◄ or ►► button to play backward or fast forward, release to resume normal playback.
4. To play previous or next 10th track.
   Press 5 or 6 button to play previous or next 10th track.
5. How to use **1/PLAY/PAUSE** button
   During playback, press **1/PLAY/PAUSE** button to pause playback, press **1/PLAY/PAUSE** button again to resume, press and hold **1/PLAY/PPAUSE** button to select the first track to play.
6. To repeat track(s)
   – During playback, press **3/RPT** button briefly to play the current track repeatedly. **RPT ONE** will be displayed on LCD.
   – Press **RPT** button twice to play the track(s) in the album repeatedly. **RPT DIR** will be displayed on LCD.
   – Press **RPT** button thrice to repeat all tracks. **RPPT ALL** will be displayed on LCD.

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Operation

- Press the **RPT** button four times to cancel the RPT function , **RPT OFF** will be displayed on LCD.
7. To play tracks at random
   During playback, press **RDM** button to play all tracks at random. Press it again to cancel.
8. To search a track
   Press **USB** button, the TRK 0/00/000 (depending on the total tracks to be saved in the USB disk, the mark may be different) mark will be displayed on LCD and the digit 0 becomes flashing. Press **VOLUME+/-** button to select a digit from 0~9, press **USB** button to confirm your selection, the digits 00 becomes flashing. Repeat the steps above to input the digits at 00 and 000 positions. After finished the inputting, press **1/PLAY/PAUSE** button to play the track to be selected.

Bluetooth Operation

Pair and Connect

1. Click the **BT** button in DV7200S to go to Bluetooth mode.
2. You should see **NO LINK** displayed in the LCD. If you see BT LINK and the Bluetooth icon is on, it means DV7200S is already connected to another mobile. You can clear it by pressing and holding the **BT** button for ~ 2 seconds until **NO LINK** is shown, then continue with the rest of the steps below.
3. Go to the Bluetooth section of your mobile, usually under Settings (or another sub-menu under

Connections).

4. Ensure Bluetooth is turned On.
5. Select FURRION DV7200S-XXXX (where X can be any alphanumeric number A-Z or 0-9). In Android devices, you will see another similarly-named devices under DV7200S-4.0-XXXX. DO NOT use that one. It is used for Apps control to be described later. If you click on it accidentally, please clicke the gear icon to forget (or unpair) it.
6. Enter 0000 when prompted for PIN.
7. If the pairing and connection is successful, the mobile will show connected while DV7200S will show **BT LINK** and the Bluetooth icon in LCD.
   NOTE: DV7200S supports NFC pairing. The NFC detection area is on the right of the **Power** button.

Disconnect and Reconnect

● Bluetooth connection of mobile devices typically covers a 33 ft (10 m) open-field range. And DV7200S "remembers" the last connected mobile. For any out-of-range disconnection, DV7200S will auto-reconnect to your mobile once it is back in range again.
● If you explicitly disconnect the Bluetooth link by pressing the corresponding menu item in your mobile. DV7200S will not auto-reconnect. You can press the menu item in mobile again to reconnect.
● If you turn off Bluetooth in mobile during a connection, DV7200S will not auto-reconnect when you turn on Bluetooth in mobile again. Some mobile will try to reconnect the last connected

device but that's particular mobile's specific implementation.
● However, if you turn off Bluetooth in mobile after an out-of-range disconnection, DV7200S will auto-reconnect once you turn on Bluetooth in mobile and it's within connection range.
● Note that during the disconnection arise from any case, DV7200S can be paired and connected by any other mobile device.

Forget (or Unpair)

● You can explicitly forget (or unpair) DV7200S in mobile. If you do that while connected in range, DV7200S will be properly notified and all settled.
● If you do that after an out-of-range disconnection, DV7200S will repair and reconnect the mobile. In that case, you can press and hold the **BT** button for ~ 2 seconds in DV7200S to clear its memory.

Profiles

● DV7200S supports Audio Playback (AD2P, AVRCP) and Hands free Calling (HFP). Follow your mobile device settings if you want to enable or disable a particular support.

Audio Playback

● When audio is streamed from mobile to DV7200S, BT AUDIO is shown on the LCD.
● You can control the trick modes (play, stop, next, prev) either from mobile or DV7200S.
● If you hear no sound or very low volume output, please check and turn up the volume in mobile,

then adjust the volume in DV7200S to the level of your choice.

Hands free Calling

- Phone calls is automatically transferred to DV7200S.
- To answer and hangup call, press the corresponding buttons in mobile or DV7200S, TALKING is shown on the LCD during the call.
- To dial out, use dial pad or phone book in mobile to make the call. You can press the **TEL** button in DV7200S to recall the last number. With the physical remote control, you can press the **CALL LOG** button to select LAST DIAL, LAST IN, and LAST MISS, then press **+** or **-** button to flip through the last numbers.
- While talking, use **Volume +/-** to adjust the speaker volume level. The adjustment is for the call instance only. It cannot be saved and will not affect the music playback volume.
- Note that **MUTE** button is to mute the speaker only and not the mic. You have to use the phone dialer in mobile to mute the mic if you need to.

Specification

GENERAL	
Supply Voltage	DC 12V
Current Consumption	Max.5A
Power Output	4 x 9 W RMS (4 Ohm speakers).
Number of Channels	4 channels
Dimensions (W x H x D)	$5^1/_8$ x $4^1/_2$ x $3^3/_8$ inch 130 x 113 x 86 mm

AM SECTION	
Frequency Range	522KHz - 1620KHz (Europe) 530kHz - 1710KHz (U.S.A.) 522KHz - 1710KHz (Australia)
Effective Sensitivity	40dBu
Preamp Output	1V Output

Specification

FM SECTION	
Frequency Range	87.5MHz - 108MHz (Europe) 87.5MHz - 107.9MHz (U.S.A.) 87.5MHz - 108MHz (Australia)
Effective Sensitivity	12dBu

USB PLAYBACK	
Audio Format	MP3, WMA
Frequency Characteristics	20Hz -100Hz <=5dB 10KHz-20KHz <=5dB
Signal to Noise Ratio (SNR)	50dB [1KHz]

For Patent Info: www.furrion.com/pages/patents

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