OWNER'S MANUAL

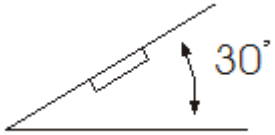
MRX100

INSTALLATION 3-4
WIRING CONNECTION 5
OPERATION 6
LOCATION OF THE KEYS 6
KEY FUNCTION 7
BASIC OPERATION 8
RADIO OPERATION 9
USB OPERATION 10
BLUETOOTH OPERATION 10
SPECIFICATION 11

INSTALLATION

Notes:

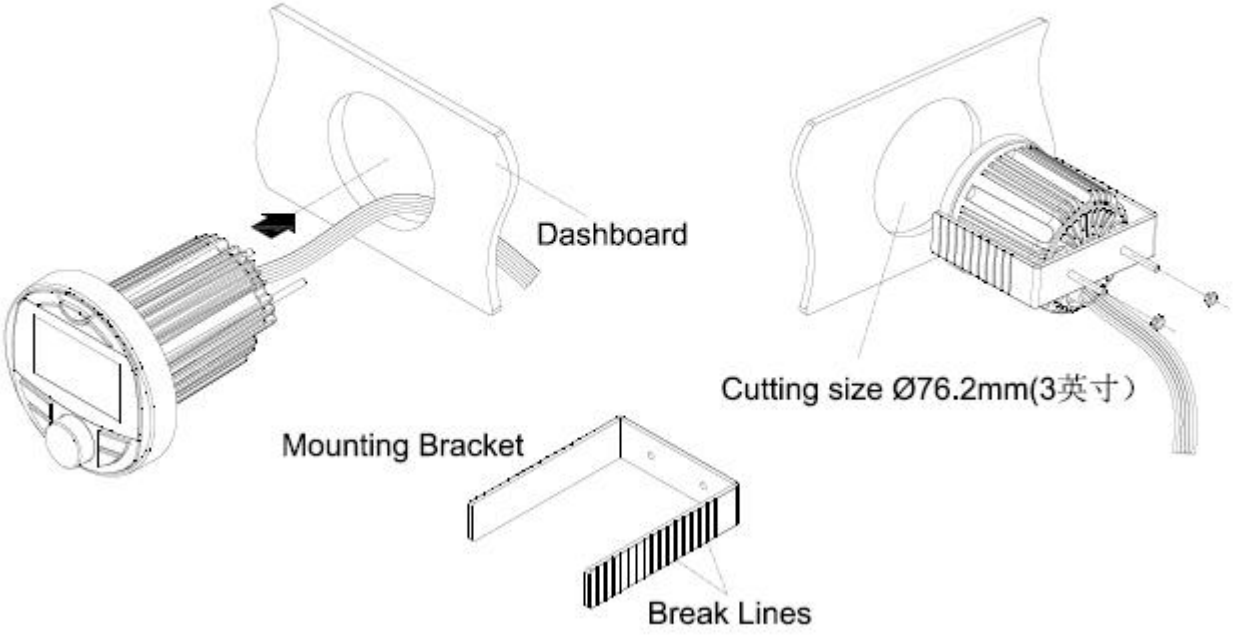
- Choose the mounting location where the unit will not interfere with the normal driving function of the driver.
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.



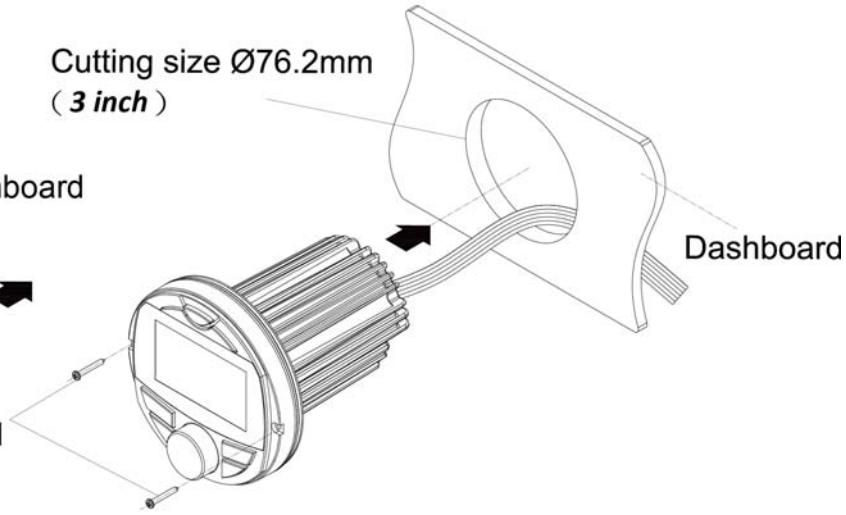
INSTALLATION

Mounting

Once a suitable location has been determined, drill the hole and secure the stereo using the metal mounting bracket. If the bracket needs to be shortened, remove the appropriate number of breakaway segments using a pair of pliers.



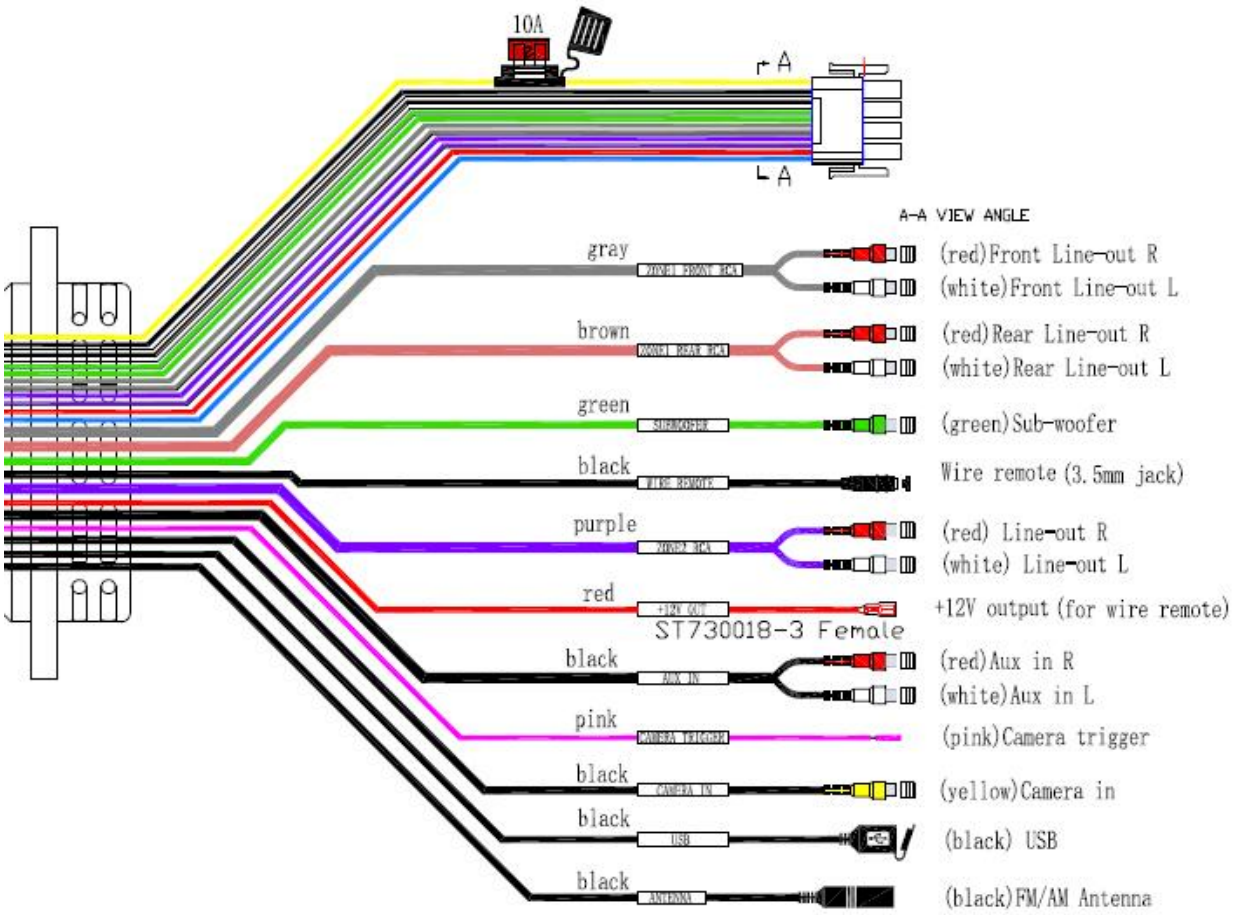
Install Method 2



2.Put the unit into 3inch Dashboard

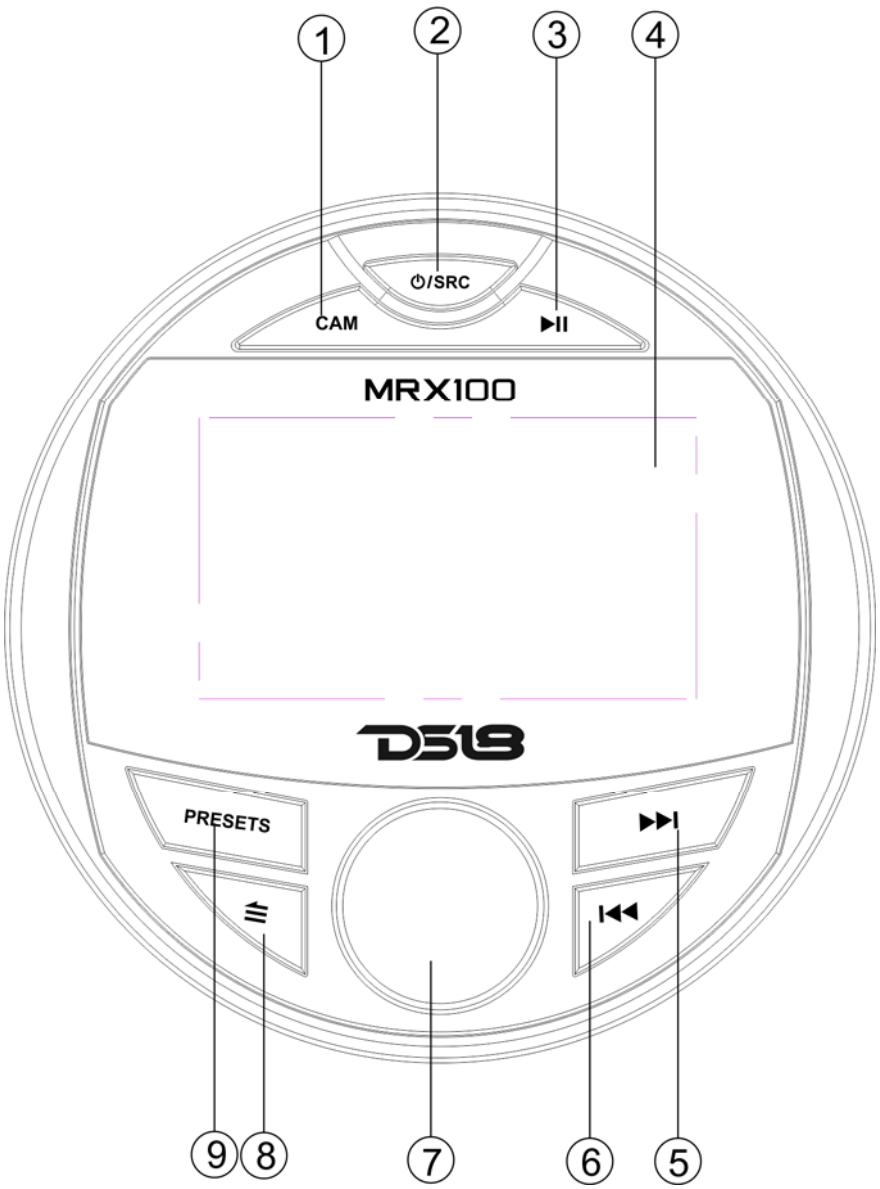
3.Install the Trim Ring

CONNECTION


10A
A
A
A-A VIEW ANGLE
gray
(red)Front Line-out R
(white)Front Line-out L
brown
(red)Rear Line-out R
(white)Rear Line-out L
green
(green)Sub-woofer
black
Wire remote (3.5mm jack)
purple
(red) Line-out R
(white) Line-out L
red
+12V output (for wire remote)
ST730018-3 Female
black
(red)Aux in R
(white)Aux in L
pink
(pink)Camera trigger
black
(yellow)Camera in
black
(black) USB
black
(black)FM/AM Antenna

OPERATION.

LOCATION OF KEYS



1. CAM button
2. Power/SRC button
3. ⏯ Play/pause button
4. TFT Screen
5. ⏭ Seek up button
6. ⏮ Seek down button
7. VOL button
8. ☰ menu button
9. Presets button

KEY FUNCTIONS

		Key functions				
KEYS	**ACTION**	**RADIO**	**USB**	**AUX**	**BT MUSIC**	**STANDBY**
PWR/ SRC	**Short**	Source change	Source change	Source change	Source change	Power on
	Long	Power off	Power off	Power off	Power off	/
CAM	**Short**	Camera source	Camera source	Camera source	Camera source	/
	Long	Night/Day	Night/Day	Night/Day	Night/Day	/
☰↩	**Short**	Setting menu / back	Setting menu / back	Setting men / back	Setting menu / back	/
	Long	Exit menu	Exit menu	Exit menu	Exit menu	/
PRESETS	**Short**	Preset (rotate VOL to select)	USB setting	/	/	/
	Long	In FM: RDS menu In AM/WB: /	/	/	BT disconnect / reconnect	/
►II	**Short**	Mute on/off	Play/Pause	Mute on/off	Play/Pause	/
	Long	Auto Store	/	/	/	/
I<<	**Short**	Seek down	Previous file	/	previous file	/
	Long	Manual tune down	Fast Reverse	/	/	/
>>I	**Short**	Seek up	Next file	/	next file	/
	Long	Manual tune up	Fast Forward	/	/	/
VOL	**Rotary**	Z1 & Z2 & SUB VOL up/down	Z1 & Z2 & SUB VOL up/down	Z1 & Z2 & SUB VOL up/down	Z1 & Z2 & SUB VOL up/down	/
SEL (PUSH VOL)	**Short**	Zone 2 VOL ->Sub VOL	Zone 2 VOL ->Sub VOL	Zone 2 VOL ->Sub VOL	Zone 2 VOL ->Sub VOL	/
	Long	ZONE1 Audio Settings	ZONE1 Audio Settings	ZONE1 Audio Settings	ZONE1 Audio Settings	/

OPERATION

Basic Operation

Turn on/off the unit

Press ⏻/SRC button to turn on the unit. When the unit is on. Press and hold it for 2 seconds to turn off the unit.

Mute on/off

When the unit is on. Press ►II button to mute the sound. Press it again to resume the sound.

Setting menu

Press ☰ button into the setting menu. Rotate VOL knob to setting below items: ZONE1->ZONE2->SUBWOOFER->BEEP->CLOCK SETTINGS -> LANGUAGE->AREA->LOCAL->STEREO/MONO->DIMMER->BRIGHTNESS->CONTRAST->HUE->GAIN LEVEL->MAX VOL->P-VOL->ZONE RENAME->RESET->VERSION

In each item Rotate **VOL+/-** knob to set them.

Note: In the menu, press ☰ return to previous menu, hold ☰ button to exit menu.

ZONE1/ZONE2 bass/treble/balance/preset EQ setting

Enter the ZONE1 / ZONE2 sub-menu, rotate **VOL** knob to select BASS / TREBLE/BALANCE/FADER/Preset EQ, then rotate **VOL** knob to select them or changing their value then press **VOL** knob to exit this item.

Main volume/ZONE2 VOL/SUB VOL operation

1) Rotate **VOL** knob to adjust the main volume up/down. The zone1/zone2/sub volume can be controlled.

2) Press VOL knob once shows ZONE2 VOL, then rotate **VOL** knob to adjust ZONE2 volume only.

3) Press VOL knob twice shows SUB VOL, then rotate **VOL** knob to adjust subwoofer volume only.

DAY/NIGHT mode operation

Press and hold **CAM** button to change DAY/NIGHT mode.

Switch to CAMERA source

There are 3 ways to switch to CAMERA source as below:

1) press SRC button the rotate VOL knob to select CAMERA source. In this way, the speaker will no sound.

2) The “Camera trigger” wire connected to 12V power. It will switch to CAMERA source. In this way speaker keeps previous source sound.

3) Press CAM button to switch CAMERA source. Press it again back to previous source. In this way speaker keeps previous source sound.

OPERATION

Reset function

In the setting menu, select RESET item and press YES to restore all the data back to the factory setting.

Noted: When you reset the unit, All the memories will be lost!

Radio Operation

Press **SRC** button then rotate **VOL** knob to select FM/AM source. Shortly press ⏭/⏮ button to receive the desired radio station. Press and hold ⏭/⏮ button for manual tuning the frequency.

Auto Store:

Press **►II** button for 2 seconds to auto store stations to the presets.

Manually store station:

Receiving a desired station. Press **PRESETS** button into the presets, rotate **VOL** knob to select a preset, then press and hold **PRESETS** button to save to this preset.

Recall preset station:

Press **PRESETS** button into the presets, rotate **VOL** knob to select the desired preset, then press **VOL** knob.

RDS Operation

Press and hold **PRESETS** button to show the RDS menu. Rotate **VOL** knob to set them.

Note: In USA area, The AF no function (can not be set to on). AF is enable in EUROPE area.

In **AF** item (press menu button) .You can setting the **AF** to on/off.

AF on: Symbol "**AF**" appears on the display. Program name is displayed on receiving a RDS station. "AF" symbol starts blinking if the broadcasting signal getting worse. It will start to search the stronger station which in AF list and switch to the good station. If it doesn't find a stronger station in AF list. It will active the PI SEEK mode to search station which as same PI.

AF off: switch off the AF mode.

Traffic Announcement (TA)

TA on: When received a TA station it will switch temporarily to radio mode to listen to the TA station whatever in RADIO/USB/AUX/BT mode. If the volume level was under the TA volume it will be raised to the TA volume automatically.

TA off: Turn off the TA function.

PTY operation

OPERATION

In **PTY** item. Rotate **VOL** knob to select the PTY kinds. When shown the **VOL** kind you want. Press **VOL** knob to search.

WB (Weather Band) Operation

Press **SRC** button then rotate **VOL** knob to select WB source.

Select station:

Press **PRESETS** button into the presets, rotate **VOL** knob to select the desired preset, then press VOL knob. Also press ⏭/⏮ button you can select next/previous station.

USB Operation

When an USB driver is inserted to the unit, the unit will play the MP3/WMA file automatically. If an USB drive is already inserted in the unit. Press **SRC** button then rotate **VOL** knob to select USB source.

Select file & Fast Forward/Fast Reverse

Press ⏭/⏮ button to skip to next/previous file. Hold ⏭/⏮ button to fast forward or fast reverse.

Play/Pause

Press ►**II** button to pause/playing the file.

Repeat/Random/File list function:

In USB playing, press **PRESETS** button into the menu:
FILE LIST / REPEAT ONE / REPEAT ALL / RANDOM ON. Rotate **VOL** knob to select them.

AUX Operation

Connecting the signal to the AUX IN connector. Press **SRC** button then rotate **VOL** knob to select AUX source.

BLUETOOTH Operation

Pairing

On mobile phone, select the Bluetooth item searching the Bluetooth device. “DS18-MRX100” should appear in the list, select “DS18-MRX100” and then input password “0000” If it needs a password. When successful paired, the BT mark will be shown on the display.

Bluetooth Audio

Press **SRC** button to switch to BT source. It will play a song of your mobile phone automatically. Press ►**II** key to pause/play the song. Press ⏭/⏮ button to select next/previous song.

Disconnect / Re-connect the Bluetooth

When the mobile phone paired with the unit. If you want to disconnect the

Other operation please reference the Key functions table above.

Bluetooth. In BT source, press and hold **PRESETS** button for 2 seconds to disconnect/re-connect the Bluetooth.

GENERAL

Power Supply Requirements : DC 12 Volts, Negative Ground
Chassis Dimensions : 140(W) x 130 (D) x 85(H)
Tone Controls
- Bass (at 100 Hz) : ±10 dB
- Treble (at 10 kHz) : ±10 dB

Maximum Output Power : 4 x 40 watts
Current Drain : 15 Ampere (max.)

RADIO	**FM**	**AM**
Frequency Coverage	87.5 to 107.9 MHz	530 to 1710 KHz
IF	10.7 MHz	450 KHz
Sensitivity	4μV(S/N=30dB)	36dBuV
Stereo Separation	>25dB	

TROUBLE SHOOTING

Before going through the checklist, check wiring connection. If any of the problems persist after checklist has been made, consult your nearest service dealer.

Symptom	**Cause**	**Solution**
No power.	The car ignition switch is not on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to “ACC”.
	The fuse is blown.	Replace the fuse.
No sound.	Volume is in minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
The operation keys do not work.	The built-in microcomputer is not operating properly due to noise.	Press the reset button.
The radio does not Work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.

FCC Statement:
This device complies with part 15 of the FCC Rules. Operation is subject to the following
two conditions: (1) This device may not cause harmful interference, and (2) this device
must accept any interference received, including interference that may cause undesired
operation.
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.
Caution: Any changes or modifications not expressly approved by the party responsible
for compliance could void the user's authority to operate the equipment.
This equipment should be installed and operated with minimum distance 20cm between the radiator&your body.
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.