Manuals+ — User Manuals Simplified.

DS18 MRX2 Marine and Powersport Head Unit Owner's Manual

Contents

DS18 MRX2 Marine and Powersport Head Unit

SAFETY INSTRUCTION

CAUTION This symbol with "CAUTION" is intended to alert the user to the presence of important instruc-tions. Failure to heed the instructions could result ininjury or unit damage.

To prevent injury and damage to the unit, please read and follow the instructions in this manual. If you feel unsure about installing this system yourself, have it installed by a qualified techni-cian.

Before installation, disconnect the battery negative (-) terminal to prevent damage to the unit, fire, and / or possible injury.

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, according to part 15 of the FCC Rules. These limits are designed to provide more reasonable protection against harmful interference in a residential installation. Operation is subjected to the following two conditions:

1. This device may not cause harmful interference, and

2. The device must accept any interference received, including interference that may cause undesired operation.

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, you are encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.

- 2. 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.

ESPECIFICATIONS

GENERAL SPECIFICATIONS

- Operating Voltage…………………………………………………..10,5 – 16 Volts
- Low Voltage Warning Alert .…………………………………YES / SÍ (<11 V)

- Waterproof Rating …………………………………………………………………………..IPX6
- UV/Salt Protection ……………………………………………………………………..YES / SÍ
- Buttons …………………………………………………..Rubber + RGB Backlit (synced with LCM)
- Screen Panel …………………………………………………..Gorilla Glass with OCA Full Bonding
- AUDIO…………………………………………… Power Output
- RMS ………………………………………………………………………………4 x 15W @ 4ohm 4 x 25W @ 2ohm
- MAX ………………………………………………………………………………4 x 50W @ 2ohm
- Minimun Load …………………………………………………..2ohm Stable Per Channe / Por Canal
- Frequency Response ………………………………………………………….20 Hz – 20 kHz
- RCA Pre-Out Voltage………………………………………………………….4 Volts
- Output Impedance …………………………………………………………………500ohm
- Equalizer……………………………………………………………2 Bands (Bass 80Hz, Treble 12Khz)
- Presets ………………………………………………………………….YES (S-Bass / Vocal /Powerful / clarity)
- Subwoofer Control ………………………………..Level (-10 to +10)
- Audio Zones ………………………………………………………….2 Zones (Stereo + Subwoofer each)
- Independent Zone Control ………………YES (Level/Tone)
- Audio Input ……………………………………. L+R RCA (Aux Input)

TUNNER

- FM Frequency Range …………………………………………………………87,5 – 107,9 MHz
- AM Frequency Range …………………………………………………..530 – 1710 KHz
- Weather Band ……………………………………………………………162,40 – 162,55 MHz
- NOAA Weather Band…………………………………….YES Compatible / SÍ Compatible
- Tuner Presets …………………………………………………………..18 FM / 12 AM / 6 WB
- Radio Data System …..YES / Si (AF / TA / NEWS) Selectable

CONNECTIVITY

- Bluetooth Version ………………………………………………………………………5.0 + EDR
- Audio Streaming………………………………………………………………………………..A2DP
- USB Compatibility …………………………………………………………………………v2.0
- USB Capacity ……………………………………………………………………64 Gb Max
- USB Charge Capacity …………………………………………………………………..2.1Amp
- Audio Files Compatibility ……………………………………………MP3, WMA
- Remote Control ………………………………….Wired 3.5mm Jack Input (Compatible with MXRC)

INSTALLATION

INSIDE OF THE BOX

1. Main Unit
2. Power/Speaker Harness
3. Screws X 2PCS
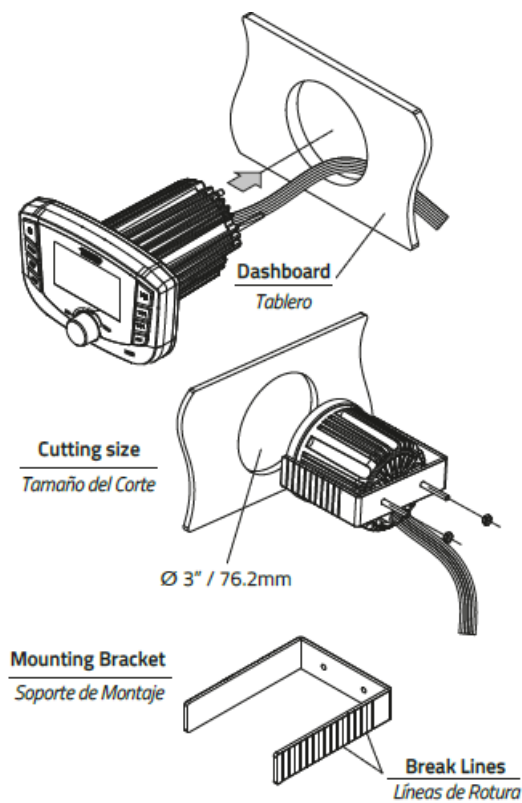4. Hex Head Screws X 2PCS
5. U Bracket
6. Instruction Manual

CAUTION

1. This player should be installed by a professional technician.
2. Please read the instruction and operation of the equipment carefully before installing.
3. Make sure to connect other wires before power connection.
4. To avoid a short circuit. Please make sure all the exposed wires are insulating.
5. Please fix all the wires after installation.
6. Please make the connection to the player accordingly to this instruction manual. A wrong connection may cause damage.
7. This player only fits for a 12V DC device and please make sure your boat belongs to this kind of cathode grounding electrical system.
8. Please connect the wires rightly. Wrong connection will cause malfunction or damage the electrical system.
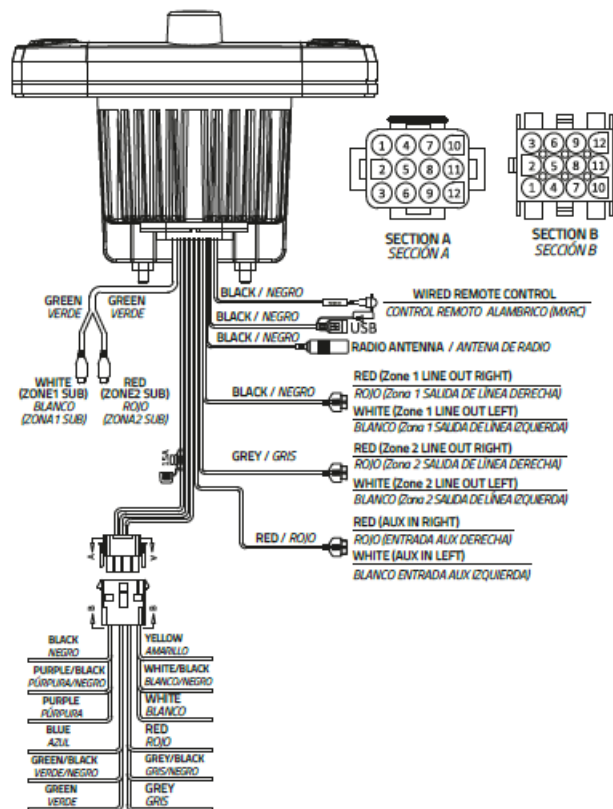
MOUNTING (USING U BRACKET)

To mount the unit, you will need to find a flat surface with adequate clearance behind it that provides enough clearance for the unit and all its necessary wiring.

1. Once you have determined a mounting location, you will need to cut a circular hole 3″ {76.2 mm) in diameter
2. After the hole is cut slide the unit and wiring through the hole.
3. Take the U bracket and slide over the two studs on the back of the unit. Tighten down with supplied nuts.
4. Plug in all wiring harnesses and cables. Refer to the wiring diagram for wire harness connection types.

Dashboard
Tablero

Cutting size
Tamaño del Corte

Ø 3" / 76.2mm

Mounting Bracket
Soporte de Montaje

Break Lines
Líneas de Rotura

WIRING CONNECTION

SECTION A
SECCIÓN A

SECTION B
SECCIÓN B

GREEN
VERDE   GREEN
VERDE

BLACK / *NEGRO*   WIRED REMOTE CONTROL
CONTROL REMOTO ALAMBRICO (MXRC)

BLACK / *NEGRO*   USB

BLACK / *NEGRO*   RADIO ANTENNA / *ANTENA DE RADIO*

WHITE
(ZONE1 SUB)
*BLANCO
(ZONA1 SUB)*   RED
(ZONE2 SUB)
*ROJO
(ZONA2 SUB)*

BLACK / *NEGRO*   RED (Zone 1 LINE OUT RIGHT)
ROJO (Zona 1 SALIDA DE LÍNEA DERECHA)
WHITE (Zone 1 LINE OUT LEFT)
BLANCO (Zona 1 SALIDA DE LÍNEA IZQUIERDA)

GREY / *GRIS*   RED (Zone 2 LINE OUT RIGHT)
ROJO (Zona 2 SALIDA DE LÍNEA DERECHA)
WHITE (Zone 2 LINE OUT LEFT)
BLANCO (Zona 2 SALIDA DE LÍNEA IZQUIERDA)

RED / *ROJO*   RED (AUX IN RIGHT)
ROJO (ENTRADA AUX DERECHA)
WHITE (AUX IN LEFT)
BLANCO ENTRADA AUX IZQUIERDA)

BLACK
NEGRO   YELLOW
AMARILLO

PURPLE/BLACK
PÚRPURA/NEGRO   WHITE/BLACK
BLANCO/NEGRO

PURPLE
PÚRPURA   WHITE
BLANCO

BLUE
AZUL   RED
ROJO

GREEN/BLACK
VERDE/NEGRO   GREY/BLACK
GRIS/NEGRO

GREEN
VERDE   GREY
GRIS

N PIN NO.*IN UM. DE P*	WIRE COLOR	WIRE DEFINITION		AWG

1	BLACK	GROUND (-)	16
2	PURPLE/BLACK	*AL*SPEAKER REAR RIGHT	20
3	PURPLE	SPEAKER REAR RIGHT (+)	20
4	BLUE	REMOTE / ANTENNA OUTPUT (+12v)	20
5	GREEN/BLACK	*AL* SPEAKER REAR LEFT (-) *(-)*	20
6	GREEN	*AL* SPEAKER REAR LEFT	20
7	RED	*E* ACC (+12V)	20
8	GREY/BLACK	*A* SPEAKER FRONT RIGHT (-) *)*	20

| 9	**GREY**	*A* **SPEAKER FRONT RIGHT (+)** *)*	**20**	
10	**YELLOW**	*EN* **BATTERY (+12V IN)** *A*	**16**	
11	**WHITE**/**BLACK**	*AL* **SPEAKER FRONT LEFT (-)** *20*	**20**	
12	**WHITE**	*AL* **SPEAKER FRONT LEFT (+)** *(+)*	**20**	
				5

MEASUREMENTS

CAUTION

1. This player can only be used by the 12V DC cathode grounding electrical system.
2. Do not connect the battery terminals until the player is fully assembled.
3. Please make sure to connect the yellow wire to the positive of the battery(+).
4. When change the fuse. Please make sure the specifications are same.
5. Using good quality 4-2 ohm speaker can enhance the audio performance of the system.
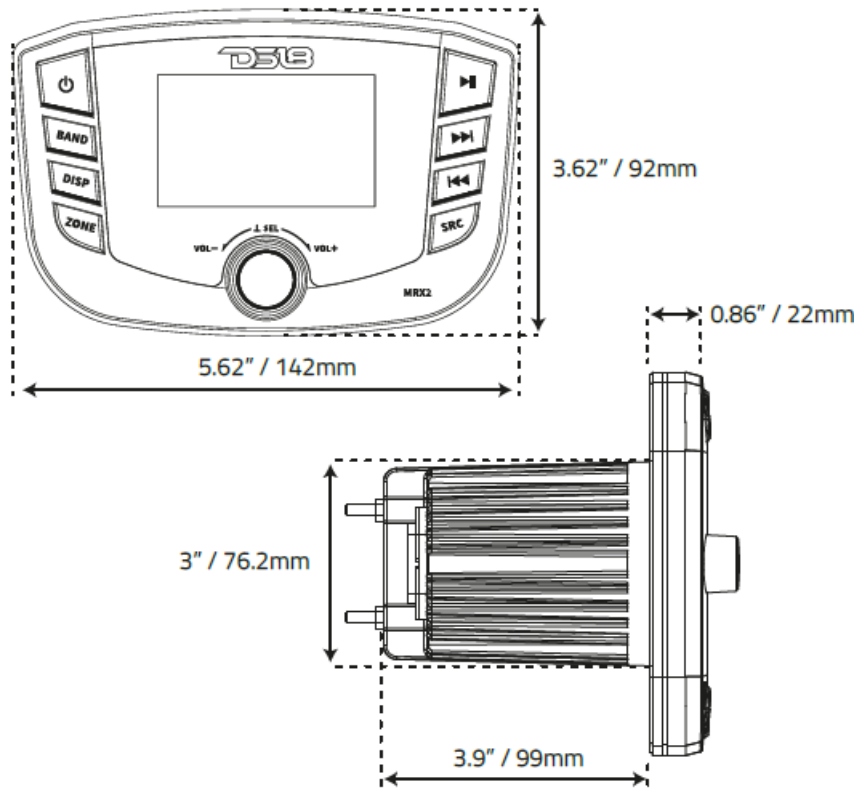
BASIC OPERATION
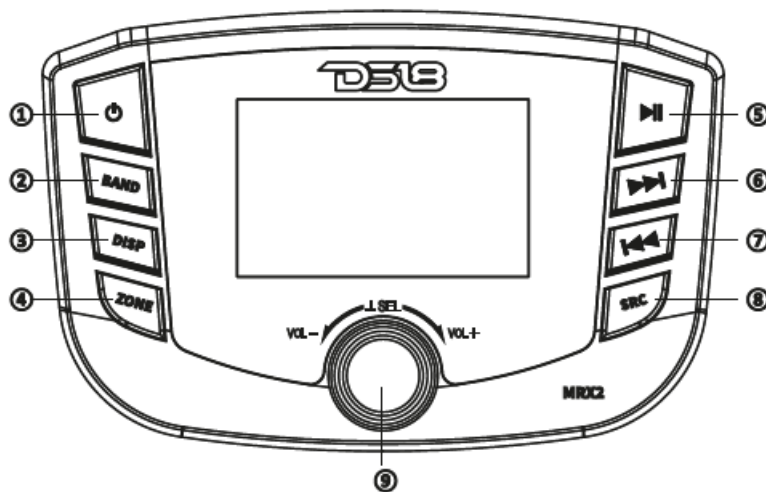
1. **POWER / button**

   Press t button to turn on. Press the key again to turn off the unit.

2. **BAND / button**

   Press BAND button toFM1/FM2/FM3/AM1/AM2/WB. Press and hold BAND button for
   3 seconds to auto store the stations.

3. **DISP / button**

   Shortly press DISP button to show the clock, then press and hold DISP button again to set time, Rotate Vol to set hour time display, press DISP key again to turn to minute time display, rotate Vol to set minute time display. After setting the time, it will automatically save and exit within 5 seconds.

4. **ZONE / button**

   Press ZONE button to ZONE1 / ZONE2 / ZONE1+ZONE2.

5. **PLAY / PAUSE button**

In RADIO/AUX source press ab button for MUTE on/off function. In USB/BT source press ab button for Pause / Play function.

6. **e Seek UP button**

   In RADIO source, shortly press e button to Seek up, press and hold the button to show next station. In USB/BT source press e button to next song / file, press and hold the button to fast forward play.

7. **f Seek DOWN button**

   In RADIO source, shortly press f button to Seek down, press and hold the button to show back to the previous station. In USB/BT source press f button to previous song / file, and press and hold the button to play back quickly.

8. **SRC button**

   Press SRC button to Mode change Radio / BT / USB / AUX-IN.

9. **VOL / SEL button**

   Rotate the Vol to adjust the volume.

SEL BUTTON FUNCTIONS

1. IN ZONE1 or ZONE2, AUX/BT mode: Shortly press SEL button to BAS / TRE / SUB / EQ (rotate the VOL to select FLAT / OFF, S-BASS, VOCAL, POWERFUL, CLARITY) / LOUD (ON / OFF) / COLOR LIGHT (rotate the VOL to select AUTO, WHITE, PURP, CYAN, YELLOW, RED, GREEN) / BEEP (OFF/ON) one by one.
   Press and hold SEL button to TA (OFF / ON) / AF (OFF / ON) / NEWS (OFF / ON) one by one.
   Press and hold SEL button to TA (OFF / ON) / AF (OFF / ON) / NEWS (OFF / ON) one by one.

2. IN ZONE1 or ZONE2, RADIO mode:
   Shortly press SEL button to BAS / TRE / SUB / EQ (rotate the VOL to select FLAT / OFF, S-BASS, VOCAL, POWERFUL, CLARITY) / LOUD (ON/OFF) /COLOR LIGHT (rotate the VOL to select AUTO, WHITE, PURP, CYAN,YELLOW, RED, GREEN) / BEEP (ON/OFF) / STEREO (MONO) /LOCAL (DX) one by one.
   Press and hold SEL button to TA (OFF / ON) / AF (OFF / ON) / NEWS (OFF / ON) one by one.

3. IN ZONE1 or ZONE2, USB mode:
   Shortly press SEL button to BAS / TRE / SUB /EQ (rotate the VOL to select FLAT / OFF, S-BASS, VOCAL, POWERFUL, CLARITY) / LOUD (ON / OFF) / COLOR LIGHT (rotate the VOL to select AUTO, WHITE, PURP, CYAN, YELLOW, RED, GREEN) / BEEP (OFF / ON) one by one.
   Press and hold SEL button to RDM(then rotate the VOL to select OFF/FOLD/ALL) / RPT(then rotate the VOL to select ONE / FOLD / ALL) / TA (OFF / ON) /A F (OFF / ON) / NEWS (OFF / ON) one by one.

4. IN ZONE1 + ZONE2, AUX/BT mode:
   Shortly press SEL button to COLOR LIGHT (rotate the VOL to select AUTO, WHITE, PURP, CYAN,YELLOW, RED, GREEN) / BEEP (OFF/ON) one by one.
   Press and hold SEL button to TA (OFF / ON) / AF (OFF / ON) / NEWS (OFF / ON) one by one.

5. IN ZONE1 + ZONE2, RADIO mode:
   Shortly press SEL button to COLOR LIGHT (rotate the VOL to select AUTO, WHITE, PURP, CYAN,YELLOW, RED, GREEN) / BEEP (OFF / ON) / STEREO (MONO) / LOCAL (DX) one by one.
   Press and hold SEL button to TA (OFF / ON) /AF (OFF / ON) / NEWS (OFF / ON) one by one.

6. IN ZONE1 + ZONE2, USB mode:
   Shortly press SEL button to COLOR LIGHT (rotate the VOL to select AUTO, WHITE, PURP, CYAN, YELLOW, RED, GREEN) / BEEP (OFF / ON).

Press and hold SEL button to RDM (then rotate the VOL to select OF F/ FOLD / ALL) / RPT (then rotate the VOL to select ONE / FOLD / ALL)/ TA (OFF / ON) /AF (OFF/ON) / NEWS (OFF / ON) one by one.

FUNCTION SETTING

- **DX / LOC (Distance / Local):**
- LOC: Receive the strong signal station only in seek station.
- DX: Receive strong and weak signal station in seek station.
- **STEREO / MONO:**
- STEREO: Receive FM stereo signal.
- MONO: Change FM stereo to monophonic. It can reduce the noise when the signal is weak.

RESET THE UNIT

Press and hold ab button for 5 seconds to reset the unit.

RADIO (AM / FM / WB) OPERATION

Press SRC button to select the Radio source option (FM / AM / WB).
To auto seek station, press and hold BAND button for 3 seconds to auto store radio station.
To manual seek station, shortly press e / f button to Seek up/down radio station, press and hold the e / f button to next / previous station.

USB OPERATION

After your device is connected to the source unit, this feature allows you to control the playback of your device directly from the unit. Press the SRC button to select the USB source option.
To play or pause a song, short press the PLAY/PAUSE button. To skip a track forward, short press the FWD button. To skip a track backward, short press the REV button.
To access USB specific settings, Press and hold the SEL button for the list of settings (Random play>Repeat). Use the encoder to select the option to change.

AUX (AUXILIARITY INPUT) OPERATION

After your device is plugged into the source unit, this feature allows you to play music from your device. Press the SRC button to select the AUX source option and use your plugged-in device to control song / track selection, PLAY / PAUSE, and track skip FWD / REV

BT OPERATION

After your device is paired to the source unit, this feature allows you to control the playback of your device directly from the unit. Press the SRC button to select the BLUETOOTH source option.
Then searching and selecting the Bluetooth device "MRX2" from your phone and input password "0000" If it needs. When paired successfully, the BT symbol will be shown on LCD.
To play or pause a song, short press the PLAY / PAUSE button.
To skip a track forward, short press the FWD button. To skip a track backward, short press the REV button.

TROUBLESHOOTING

TROUBLE	CAUSE	SOLUTION
Unit does not turn on	Blown fuse	Check fuse of the unit, replace with correct rating.
	Vehicle's ignition is off	If connected following the instructions, the unit will not operate with ignition off
	Voltage applied to Red wire is not between 10.5 & 16 volts or there is no voltage present.	Check battery, connections and fuses and repair or replace as necessary. If voltage is above+ 16 volts, have the electrical system inspected by an authorized service center.
	Unit is not properly grounded.	Check wiring and repair as necessary.
Radio Tunner		
Tuner fails to tune any stations	No antenna or disconnected or open connection in cable.	Check all connections and repair as necessary.
Unable to tune stations in seek mode	You are in a weak signal area.	Make sure the tuner LOC mode is off.
USB Devices		
USB device cannot be inserted	The USB device has been inserted in the wrong direction.	Reversing the connection direction of the USB device, try reinserting.
	The USB device connector is broken.	Replace with a new USB device.
USB device is not recognized	The USB device is damaged.	Disconnect USB device and reconnect. If the device is still not recognized, try replacing with a different USB device.
	Connectors are loose.	
No Sound heard with the display "No File" shown	No MP3 / WMA files are stored on the USB device.	Store these files properly on the USB device.

Sound skip or is noisy	MP3 / WMA files are not created properly.	Use MP3/WMA files that are encoded correctly.
MP3 is not playing back	Writing error occurred. The MP3 format is not compatible.	Make sure MP3 has been written in a supported format.
BT		
Cannot pair BT	The BT function of the device is not enabled.	Refer to the user manual of the device for how to enable the BT function.
The audio quality is poor after connection with a BT enabled device	The BT reception is poor.	Move the device closer to the audio system or remove any obstacle between the device and the system antenna.

FCC ID: 2AYOQ-MRX2

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2. This device must accept any interference received, including interference that may cause undesired operation.

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 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 interference to radio of television reception, which can be determined by turning the equipment off and then on, the user is encouraged to try to correct the interference by one or more of the following.

Documents / Resources

[DS18 MRX2 Marine and Powersport Head Unit](#) [pdf] Owner's Manual
MRX2, Marine and Powersport Head Unit, MRX2 Marine and Powersport Head Unit, Powersport Head Unit, Head Unit