

MARINE TECH

MARINE AM/FM RADIO

with MP3 Player and Bluetooth®



QM3814

INSTRUCTION MANUAL

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PRECAUTIONS:

Choose a mounting location where the unit will not interfere with operation of the boat or vehicle.

Before installing the unit, connect the wiring temporarily to ensure it is all wired correctly, and that the unit and system function as expected.

Only use the parts included with the unit to ensure proper installation. The use of unauthorized parts will cause malfunctions.

Install the unit where it does not get in the driver's way and cannot injure a passenger if there is a sudden stop.

Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, from hot air, or where it would be subject to dust, dirt or excessive vibration.

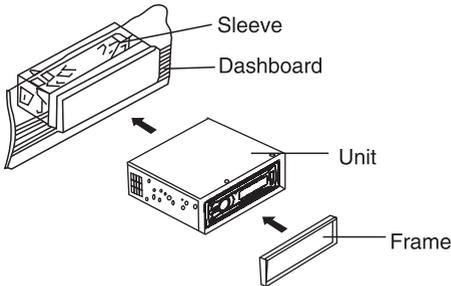


WARNING! KEEP BUTTON BATTERIES OUT OF REACH OF CHILDREN

- If swallowed a lithium button battery may lead to serious or fatal injury in as little as 2 hours, due to chemical burns and potential perforation of the oesophagus.
- Non-lithium button batteries battery can cause serious injuries if it is swallowed or placed inside any part of the body.
- All button batteries must be kept away from children regardless if they are new or used.
- If you suspect your child has swallowed or inserted a button battery immediately call the 24-hour Poisons Information Centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand) for fast, expert advice.
- If your child is having difficulty breathing contact 000 (Australia) or 111 (New Zealand).
- Dispose of used button batteries immediately and safely out of the reach of children. A battery can still be dangerous even when it can no longer operate the device.
- As soon as you have finished using a button battery, put sticky tape around both sides of it. This will make it harder for children to swallow the button battery and avoid the risk of the battery catching fire.
- Immediately dispose of button batteries immediately out of reach of children, or recycle using a child resistant container and take used cells to your local battery collection centre.

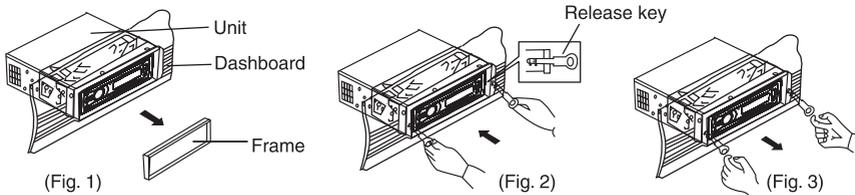
INSTALLATION:

INSTALLATION/DISMOUNTING:



HEAD UNIT INSTALLATION:

1. Insert sleeve into installation holes of dashboard.
2. Insert unit into sleeve.
3. Install decoration frame on front panel.

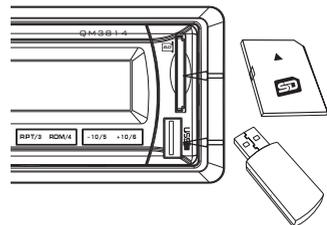


HEAD UNIT REMOVAL:

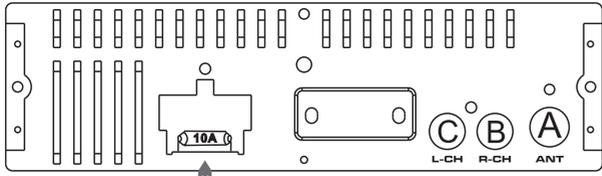
1. Gently remove the decorative frame by inserting a finger into each of the locating grooves (Fig. 1).
2. Insert the release key into the gap between unit and sleeve (Fig. 2).
3. Pull out the release key to remove the unit from the dashboard (Fig. 3).

SD CARD SLOT:

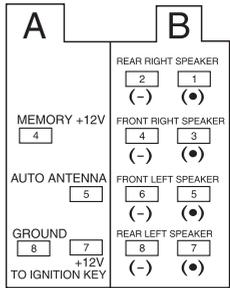
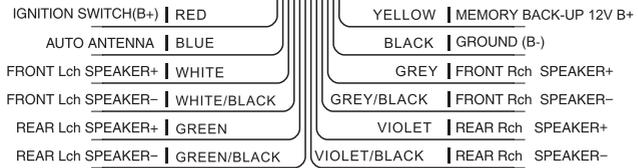
Insert the SD card with the pin side facing to the right-hand side of the slot, pressing down until the card clicks into place. Press the SD card down gently to remove it.



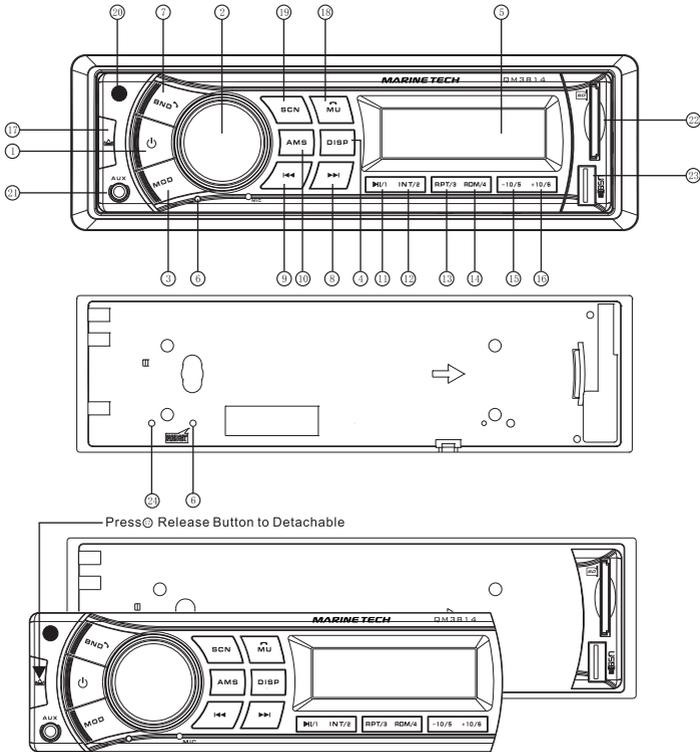
ADDITIONAL INFORMATION:



- Ⓐ ----- ANTENNA
- Ⓑ ----- REAR Rch LINE OUT
- Ⓒ ----- REAR Lch LINE OUT



GENERAL OPERATION:



- | | |
|---|---|
| 1. Power Button | 13. Repeat & Preset Button 3 |
| 2. Volume/Sel Button | 14. Random & Preset Button 4 |
| 3. Mode switch | 15. Preset Button 5 |
| 4. Display Button | 16. Preset Button 6 |
| 5. LCD Display | 17. Release Button |
| 6. Reset Button | 18. Mute/  Button |
| 7. Band/  switch/ID3 select | 19. SCN Button |
| 8. Tune Seek & Track forward Button | 20. Remote Control sensor |
| 9. Tune Seek & Track reverse Button | 21. AUX IN JACK |
| 10. Automatically memory storing | 22. USB connector |
| 11. Play/Pause & Preset Button | 23. SD/MMC slot |
| 12. Intro & Preset Button 2 | 24. Flashing LED |

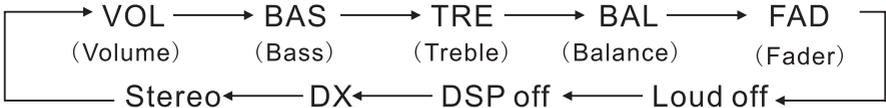
GENERAL OPERATION:

ON/OFF:

Press the POWER button (1) to turn on the unit. When the unit is turned on, press and hold the button to turn the unit off.

SOUND ADJUSTMENT:

The volume knob (2) can be used to adjust multiple settings. Press the SEL button (2) to change the type to be adjusted in the following order.



VOLUME:

Adjust the volume level by using VOL/SEL (2) knob. Turn the VOL knob to left to decrease the sound level, and turn to the right to increase the sound level.

Note: The unit will default to volume (VOL) adjustment when turned on.

BASS:

Press VOL/SEL button(2) once.
Adjust bass level by using VOL/SEL(2) knob.

TREBLE:

Press VOL/SEL button(2) twice.
Adjust treble level by using VOL/SEL(2) knob.

BALANCE:

Press VOL/SEL button(2) three times. Adjust the sound balance between left and right speakers by using VOL/SEL(2) knob.

FADER (OPTIONAL):

Press SEL button(2) four times. Adjust the sound balance between front and rear speakers by using VOL/SEL(2) knob.

LOUDNESS:

Press the "SEL" button until "LOUD ON" is displayed. Use the volume knob or press the "VOL+" / "VOL-" buttons on the remote control to turn loudness on or off.

GENERAL OPERATION:

DISPLAY:

Press the “DISP” button (4) to enter each display mode as listed below. Time is displayed for 5 seconds when the “DISP” key is pressed, and it will return to its previous display unless the key is pressed again. To adjust the clock, press and hold the “DISP” key until the time on the display begins flashing. The time can be changed by using the volume knob on the head unit, or via the (+ /-) buttons on the remote control.

LOCAL RADIO STATION SEARCH:

Press the “SEL” button until “LOCAL(DX)” is displayed on the LCD of the head unit. Rotate the VOL knob on the head unit, or use the VOL+/- buttons on the remote control to switch between “LOCAL” and “DX” modes. When the LOCAL function is enabled, only local stations with weak reception will be picked up by the unit.

MONO/STEREO CONTROL (IN FM RADIO MODE):

Press “SEL” button repeatedly until the LCD display shows “STEREO (MONO)”. Use either the VOL knob on the head unit, or the VOL+/- buttons on the remote control to switch between STEREO and MONO. The reception of audio can be improved by using MONO mode when out at sea.

AREA SETUP:

In Radio mode, press and hold the “SEL” button until the LCD flashes “AREA USA/EUR”. Use the “VOL” +/- buttons to change the AREA frequency.

INPUT MODE:

Press the “MOD” button to enter the following input modes:

- Tuner (radio)
- USB
(A USB stick must be inserted in order to enter this mode).
- Memory Card
(An SD card must be inserted in order to enter this mode).
- AUX input

GENERAL OPERATION:

RESET:

RESET button (6) is placed on the housing and must be activated with either a ball point pen or thin metal object. (Do not use sharp object to avoid damaging the unit.) The RESET button (6) is to be activated for the following reasons:

- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.

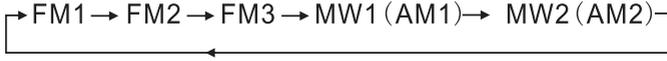
MUTE OFF/ON:

Activate "MUTE ON" mode to silence the speaker output, press the button again to switch to "MUTE OFF" mode to return the speakers output to normal.

RADIO OPERATION:

BAND SELECTION:

In tuner mode, press the “BAND” button (7) to select the desired band. The radio band will change in the following order:



STATION SELECTION:

In radio mode, Press “SEEK ◀◀ ” or “SEEK ▶▶ ” buttons to automatically search a station, Press and hold the “SEEK ◀◀ ” or “SEEK ▶▶ ” buttons to manually search.

AUTOMATICALLY MEMORY STORING & PROGRAM SCANNING:

• Automatically Memory Storing

Press and hold the “AMS(MP3)” button (10) for the radio to search the current band. The 6 strongest stations will be stored into the corresponding preset number buttons.

• Program Scanning

Press the “AMS(MP3)” button (10) to scan preset stations. This mode will only work after the AMS stations have been configured as above.

STATION STORING:

Press preset button (11 -16)

RADIO MODE.

M1 - M6

- The saved station is loaded when the key is pressed..
- The current station is saved when key is held down..

SCAN:

Press “SCN” button (19) to search for a radio station. When a station is detected, scanning will stop & the station will begin playing for 5 seconds before continuing to scan. Press and hold the “SCN” button (19) to cancel scanning & stay on the current station.

USB/SD OPERATIONS:

USB/SD FLASH MP3 PLAYING:

PLAY/ PAUSE

Press the “Play/Pause”  button (11) to pause the current playing track. The music track play time indicator will flash. Press the “Play/Pause”  button again to resume playing. Pressing & holding the button will stop the music.

INT

Pressing the “INT” button (12) will play the first 10 seconds of each song until the last song is played. Once complete, it will resume playing the entire track from where the “INT” button was pressed.

RPT

Press the “RPT” button (13) to repeat the current track. An indicator will appear on the LCD screen while this mode is enabled.

RDM

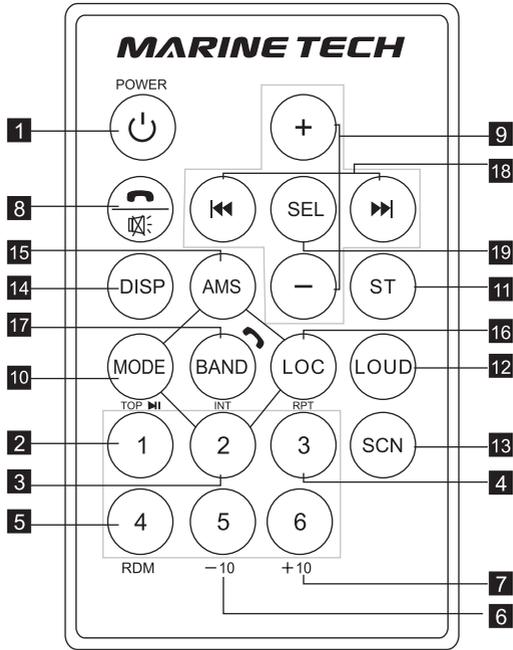
Press the “RDM” button (14) to play music in a random order. An indicator will appear on the LCD screen while this mode is enabled.

SELECT TRACKS:

While in USB/SD mode, press the “SEEK  ” or “SEEK  ” button to move to the previous/next track. The track number will be shown on the display.

While in USB/SD, press and hold the “SEEK  ” or “SEEK  ” button to either rewind or fast forward. The music will resume playing once the button has been released.

REMOTE CONTROL LAYOUT:



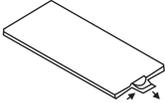
- | | |
|--|---|
| 1. Power Button | 14. Display Button |
| 2. Pause/Play/Preset Button 1 | 15. APS/ AMS Button |
| 3. Intro/Preset Button 2 | 16. LOC/DX Button |
| 4. Repeat Playing/Preset Button 3 | 17. Band/  Switch |
| 5. Random/Preset Button 4 | 18. Tuning/Selecting Tracks/F.F/F.R |
| 6. Preset Button 5 | 19. Select Button |
| 7. Preset Button 6 | |
| 8. Mute/  Button | |
| 9. Volume Control | |
| 10. Mode Switch | |
| 11. ST/MO Button | |
| 12. Loudness Button | |
| 13. Scan Button | |

REMOTE CONTROL LAYOUT:

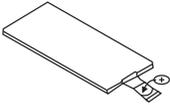
REPLACING THE BATTERY:

After 12 months of use, or if the remote control ceases to function as expected, replace the battery in the remote control. The battery required is a CR2025.

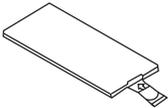
1. Pull out the battery holder while pressing the stopper.



2. Place the battery positive (+) side up into the battery holder.



3. Insert the battery holder back into the remote.



BLUETOOTH®:

1. PAIRING CONNECT:

Turn the head unit on and enable Bluetooth® on your phone & search for the Bluetooth® device called "CAR AUDIO". Input the pairing password "8888" and press OK. When the pairing connection is successful, the display will show "BT ON" & the on the LCD, it will display BT ON, and the Bluetooth® logo "📶" will stop blinking.

Note: The Bluetooth® system supports "HSP" "HFP" "A2DP" and "AVRCP" Bluetooth® profiles.

2. HANDSFREE PHONE SERVICE:

If your mobile phone has paired with the unit, you can make calls from your radio. All incoming calls will be transferred to the unit automatically and the caller's phone number will be displayed on the LCD screen.

- Press the BAND 📞 button to accept the call.
- Press MUTE 📞 button to reject the call.
- Press MUTE 📞 button to hang up after the call as been accepted.

Note: The microphone is located on the front of the head unit.

3. ADVANCE AUDIO DISTRIBUTING PROFILE (A2DP) PLAYING:

Once your mobile phone has been connected to the unit via Bluetooth®, press "MODE" button the display shows "A2DP". Any music played from your mobile phone will now be played through the head unit. "A2DP" will display on LCD.

Press button "⏪" or "⏩" in the panel to select the music track.

4. INTERRUPT BLUETOOTH® CONNECTION/RECONNECTION:

Pressing the BAND 📞 button during a phone call will interrupt the Bluetooth® connection. This will prevent the phone call from being played through the head unit. Press BAND 📞 button again to switch the setting back to normal.

SPECIFICATIONS:

GENERAL

Power Supply Requirements:	DC 14.4V, Negative Ground
Load Impedance:	4 ohms
Maximum Output Power:	20W x 4
Chassis Dimensions:	178 x 87x50mm (W x D x H)
Current Drain:	10A

STONE CONTROLS

Bass (at 100Hz):	+10dB / -10dB
Treble (at 10K):	+10dB / -10dB

USB/SD MUSIC PLAYER

Signal to Noise Ratio:	More than 60dB
Channel Separation:	More than 60dB
Frequency Response:	20Hz -20KHz

FM RADIO

Frequency Coverage (MHz):	87.5 - 108MHz
IF :	10.7MHz
Sensitivity (S/N-30dB):	12dBu
Stereo Separation:	>30dB

AM RADIO

Frequency Coverage (KHz):	522 - 1620KHz
IF:	450KHz
Sensitivity (S/N-20dB):	<42dBu

Specifications may be subject to change without notice.

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