XOMAX

2-DIN Car RDS/FM Radio, CD, CD-R/RW, MP3 Player with USB Inputs

Model No.: XM-2CDB622

USER'S MANUAL

CONTENTS

PRECAUTIONS

How to Handle Discs
- Handle a disc by its edges. Do not touch the playing side
- Before inserting a disc, wipe the disc outward from the disc center with a clean, soft, dry and lint-free cloth. Do not use solvents or thinners such a petrol/benzene or cleaners.
- After removing a disc from the disc slot, place the disc in a sleeve or case to keep it clean and prevent scratches.
- Do not stick paper or tape on the disc surface. If there is glue (or adhesive) on the disc surface, remove it before using the disc.

Precautions & Warnings
- To reduce the risk of fire, electric shock, and interfer-ence, do not attempt to repair this unit yourself. Refer all service to a qualified technician.
- Some MP3/WMA files may not be playable.
- Keep the volume at a reasonable level to avoid distracted driving. High volume levels may make it difficult to concentrate on traffic and road conditions while driving.
- If the car has been in direct sunlight for an extended period, you may need to reduce the temperature inside the car before turning on and using the unit.
- If the battery is disconnected, discharged, or changed, the preset memory of the unit will be lost and require reprogramming.
- The unit is designed to be installed in a level,horizontal position. For optimal performance, avoid installing the unit at an angle.
- Never use excessive force when removing or attaching the faceplate. Do not tightly grip the display and buttons to avoid damage.

Lithium Battery Cell Warnings
- Cell leakage may cause damage to the remote control
- Do not throw cells into as this may cause an explosion.
- Keep battery cells out of reach of children.

Drives and connections
Never place any foreign objects into the openings of the car radio (disc compartment, USB jack, card slot, AUX IN connection). Otherwise you might damage the slots and connections.

Others Warnings
Do not switch on the car radio for long periods of time when the motor is switched off.
This could cause the car battery to discharge and the vehicle can no longer be started.

INSTALLATION

Installation Procedures
First complete the electrical connections and then check for correctness.

Installation Opening
This unit can be installed in any dashboard Having an opening as shown the right figure.

103 mm

182 mm
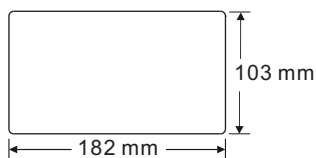
Important:
Remove the transport CD deck screws before use.
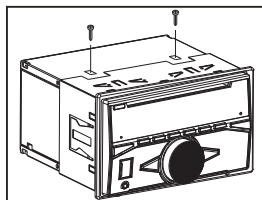
To Install the Car Radio
Be sure you test all connections first, and then follow these steps to install this unit.
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Lift the left or right top corner of the plastic outer trim ring then pull it out to remove it.
4. Insert the two bracket keys into the left and right side of the chassis, as shown the below figure to separate the chassis from the housing.

Bracket key

Bracket key

Plastic outer trim ring
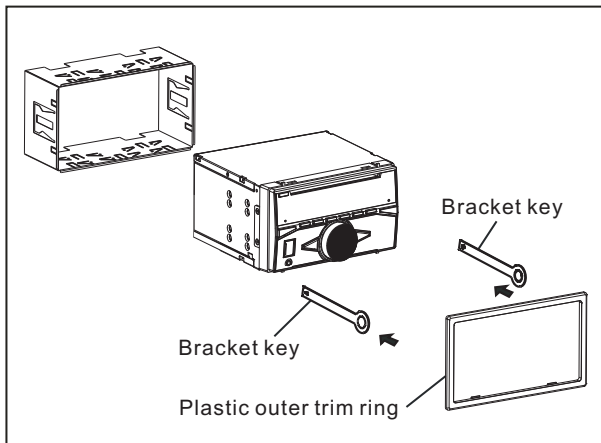
5. Insert mounting sleeve into the dashboard and bend the mounting tabs out with a screw-driver. Make sure that the lock lever is flush with the mounting sleeve and is not projecting beyond.
6. Insert car radio into the mounting sleeve.
7. Use a metal strap to secure the rear part of the chassis using the hardware indicated.
8. Make wiring connections, as illustrated in the "Wiring Diagram."
9. Install the plastic outer trim ring.

INSTALLATION(CONT.)

INSTALLATION DIAGRAM

DASH BOARD

METAL MOUNTING STRAP

HEX NUT
SPRING WASHER
PLAIN WASHER

CONSOLE

TAPPING SCREW

MOUNTING SLEEVE

HEX BOLT
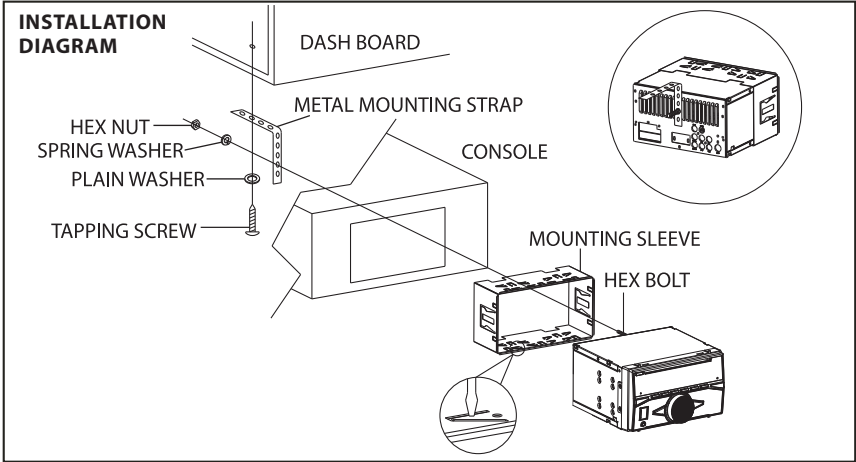
! - Only use speakers with 4 ohms impedance.

- The maximum current of the auto antenna is 200mA.

Wiring Connections

WIRING DIAGRAM

| RR+ | RF+ | LF+ | LR+ |
| RR- | RF- | LF- | LR- |

+ ANT + IGN

+ B   - GND

CAUTION
+12V DC
NEGATIVE
GROUND

SW-1 SW-2

AUX-L F-L R-L

AUX-R F-R R-R ANT

15A

1, 2. ISO Socket:
4PIN&8PIN connector

3. Fuse 15A
4. Subwoofer output-1(Green)
5. Subwoofer output-2(Green)
6. Auxiliary audio input Left CH(White)
7. Auxiliary audio input Right CH (Red)
8. Front left CH RCA output (White)
9. Front right CH RCA output (Red)
10. Rear left CH RCA output (White)
11. Rear right CH RCA output (Red)
12. Radio antenna socket

Removal of the Main Unit

1. Remove the metal strap from the main unit.
2. Remove the plastic trim out from the main unit.
3. Insert a bracket key into the left and right side of the main unit and draw the unit out of the mounting sleeve.

CONTROL PANEL BUTTON LOCATIONS

1. ⏻ (power)/Volume knob and SEL (select/menu) button
2. SRC (source) button
3. BAND(band) button, ☎ (answer call) button
4. AMS (automatic store / preset station scan, automatic music search) button
5. ▶❚❚ (pause/play), Preset station1 button
6. INT (intro), Preset station 2 button
7. RPT (repeat), Preset station 3 button
8. RDM (random), Preset station 4 button
9. -10(previous 10 tracks), Preset station 5 button
10. +10(next 10 tracks), Preset station 6 button
11. CLOCK (clock setting) button, ☎ (end call) button
12. ◀◀ (tune down, seek down,previous, fast reverse) button
13. ▶▶ (tune up, seek up, next track, fast forward)button
14. MUTE button, PTY (Program Type) button
15. EQ (Equalizer)
16. ⏏ (eject) button
17. Disc slot
18. IR remote sensor
19. LCD Display
20. USB Port
21. AUX IN (auxiliary input) jack
22. Hands-free Microphone
23. Reset button

GENERAL OPERATION

Turn Unit On/Off
• Press any button on the front panel or remote control to turn on the unit.
• Press and hold the power button (VOL knob) or POWER(⏻) button on the remote control to turn the unit off.

Adjust Volume (VOL)
Rotate the **VOL** knob on the front panel or press the **VOL+** ▲ /**VOL-** ▼ button on the remote control to increase or decrease the volume level.

Adjust Menu Options (SEL)
• Press the **SEL** button on the front panel or press the **SELECT** button on the remote control repeatedly to cycle through the following adjustable audio functions: BASS,TREBLE, BALANCE, FADER, EQ FLAT/POP/ROCK/CLASS/OFF, LOUD ON/OFF, AUTO/BLUE/RED/ CYAN/GREEN/PURPLE/YELLOW/WHITE, DX/LOC, STEREO/Mono, VOL(LAS/ADJ), A-VOL XX, CLOCK 24/12,BEEP ON/OFF, TA VOL, EON ON/OFF, AF ON/OFF,TA ON/OFF, REG ON/OFF and VOLUME.
• Rotate the **VOL** knob on the front panel or press the **VOL+** ▲ /**VOL-** ▼ button on the remote control to adjust the selected item.

      - BASS/TREBLE:-07,-06, ~, -01,00,+01,~, +06,+07
      - BALANCE:L07,L06,~, L01, 00, R01,~,R06,R07
      - FADER:R07,R06~,R01,00,F01,~,F06,F07
      - EQ(Equalizer) Setting:OFF, FLAT, POP, ROCK, CLASS
      - Loudness: LOUD ON/OFF
      - 7 color-changing illumination in buttons:This car radio device is equipped 7 color-changing illumination in buttons.The illumination color can be preset Blue, Red, Cyan, Green, Purple,Yellow, WhiteorAuto (color automatically change oneby one).
      - DX/LOCAL: Enables or disables the local broadcast mode (LOCAL).
      - Stereo/Mono: Switches between MONO and STEREO reception mode for radio frequencies.
      - VOL(LAS/ADJ):This option allows you to preset a volume level as the power-on memory volume level.
        - VOL LAST: In this mode,the unit switches on at the actual volume it had when it was last switched off.
        - VOL ADJ: In this mode, the unit power on at the actual volume that you preseted a constant switch-on volume level.
      - A-VOL XX:
       Press the **SEL** button to enter the constant switch-on volume adjusting mode and the "A-VOL XX" will be shown on the LCD display.
       Then you can adjust a constant switch-on volume level by rotating the **VOL** knob.
      - CLOCK 24/12:
       This unit is equipped with two types of clock display formats, 24 and 12 hours. Rotate the volume knob to choose 24 hours format or 12 hours format.
      - BEEP ON/OFF:Enables or disables the "BEEP" signal to confirm use.
      - TA VOL (traffic announcement volume): This function allows you to define the minimum volume for the traffic announcements. The adjustable range is 0~40. The defaulted value is 25. Rotate the **VOL** knob to adjust the volume of the traffic announcements.
      - EON ON/OFF:Enables or disables the EON (Enhanced other network).
      - AF ON/OFF: Enables or disables the alternative frequency search mode (AF). This function is used for maintaining a program being listened to during a trip if its frequency changes.
      - TA ON/OFF: Enables or disables the TA function (traffic information).

When this function is enabled, the tuner will periodically scan received frequencies and play any traffic information message that may be broadcast.
- REG ON/OFF:Enables or disables the region mode.
Some broadcasting stations change their program from normal broadcasting to regional broadcasting for a certain time period. When region is on, the current listening program remains unchanged. When region is off, it allows the reception moved to the regional station.
- Volume level:00,01,~,40

• Rotate the VOL knob on the front panel or press the VOL+ ▲ /VOL- ▼ button on the remote control to adjust the selected item.

Set the Clock (CLOCK)
1. To display clock time, press the CLOCK button.
2. To set clock time, press and hold the CLOCK button and the hour will flash.
3. Press the ◄◄ or ►► button on the front panel or on the remote control to adjust the hour.
4. Press the CLOCK button and the minutes will flash.
5. Press the ◄◄ or ►► button on the front panel or on the remote control to adjust the minute.
6. Note: During Bluetooth mode, the clock can not be adjusted.

Change the Source (SRC)
Press the SRC button to switch between RADIO, BT(Bluetooth), DISC(with a CD/MP3 disc inside the disc slot), USB(with USB device inserted) and AUX-IN(auxiliary input) modes.

Mute on/off
In power on mode, briefly press the MUTE button to toggle mute on or off. The muted state will be also released when the volume knob is used.

Preset EQ (Equalizer)
Press the EQ button on the front panel to toggle between EQ OFF, FLAT, POP, ROCK, CLASS.

USB port
The USB port of this car radio is designed for media playback from flash memory devices and charging for iPhone / andriod mobile phone.The charging current consumption is 1 ampere.

Hands-free Microphone
To receive your voice when you calling by using this bluetooth handsfree system.

Aux input connector
The 3.5mm auxiliary input stereo connection is designed for deiveces with 3.5mm line-out or headphone output.

Reset System (Reset)
The RESET button is used to reset all parameters to factory default settings.
This function may be used when the LCD does not display normally or sound is distorted, or when any of controls are disabled.To reset your system, use a thin object with a pointed end to depress the RESET button.

RADIO OPERATION

Change Bands (BAND)
Press the **BAND** button to switch between the FM1, FM2 and FM3 band.
Each band stores up to six preset stations.

Manual Tuning (◄◄ / ►►)
Press and hold the ►► or ◄◄ button on the front panel or on the remote control to enter manual tuning mode. In manual tuning mode, press the ►► or ◄◄ button to move the radio frequency number up or down one step.

Auto Seek Tuning (◄◄ / ►►)
In standby mode or while not in manual tuning mode, quickly press the ►► or ◄◄ button to move to the next/previous available station automatically.

To Store / Recall Preset Stations
The radio can be stored 6 preset stations for each band (FM1, FM2, FM3) for a total of 18 preset stations.
To memorize a station:
  - Turn the radio on and select the desired band and station.
  - Select a station by ►► or ◄◄ button.
  - Press and hold the desired preset button (numbered 1-6 on the face of the radio) for more than 2 seconds to save the station to that preset number.
- To recall a preset station:
  - Select the desired band.
  - Briefly press a preset button (numbered 1-6) to recall the corresponding preset station.

Automatic Store station/ Preset station scan (AMS)
Press and hold the **AMS** button for more than 2 seconds to select six strong stations and store them in the current band. The radio will automatically scan the current frequency and enter the six strongest stations into the preset memory positions for that band.
Briefly press the **AMS** button on the remote control to recall each preset station that saved in the memories in each band.

STEREO/MONO
FM station is received in stereo mode. However, if the signal is weak or reception is not as good as you would like, switching to MONO mode usually improves the overall sound quality.
Press the **ST** button on the remote control to choose FM STEREO or MONO audio effect.

LOCAL/DX
In urban areas, most stations are strong enough and"LOCALON"mode should be selected.
Switch to LOCALOFF mode to search for stations with weaker signals.
Press the **LOC** button on the remote control to choose local or distant reception mode.

Using the PTY seach function
The PTY function allows you to search for a particular program type.
Press and hold the **PTY/MUTE** button on panel or press the PTY button on the remote control can switch between PTY speech group and PTY music group. "NEWS"(speech) or "POP M" (music) will appear on the LCD display.

When PTY group is on, pressing one of 6 numbered (1~6) buttons can select one of typed program.
When you select the speech/ music pty group, the numbered (1~6) buttons are shared as follows RDS station programs:

RADIO OPERATION

Numeric key	Speech PTY Group	Music PTY Group
1	NEWS, AFFAIRS, INFO	POP M, ROCK M
2	SPORT, EDUCATE, DRAMA	EASY M, LIGHT M
3	CULTURE, SCIENCE, VARIED	CLASSICS, OTHER M
4	WEATHER, FINANCE, CHILDREN	JAZZ, COUNTRY
5	SOCIAL, RELIGION, PHONE IN	NATION(national), OLDIES
6	TRAVEL,LEISURE, DOCUMENT	FOLK M

When you select a program type, the tuner will search for a station broadcasting this type of program. The tuner will stop searching if it finds the relevant program type. If the radio does not find a station broadcasting the type of program selected, the text "NO PTY " be shown on the LCD displaty and return back to the previous station.

AF ON/OFF

Press the AF button on the remote control to enables or disables the alternative frequency search mode (AF). This function is used for maintaining a program being listened to during a trip if its frequency changes.

TA ON/OFF

Press the TA button on the remote control to enables or disables the TA function (traffic information). When this function is enabled, the tuner will periodically scan received frequencies and play any traffic information message that may be broadcast.

DISC and USB OPERATION

To insert DISC and USB
• To play files on a disc, insert a disc with the label surface facing upward into the disc slot.
  Playback will begin automatically.

Label surface up
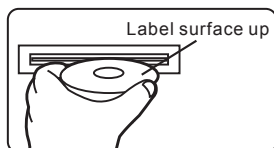
• To play files in a USB device, open the USB port cover and insert the USB
  storage device into the USB port.
  Playback will begin automatically.

Eject Disc/USB
• To eject a disc, press the ▶❚❚ button to stop playback. Press the ⏏ (eject) button to eject the
  disc and then remove it
• To eject a USB device, press the ▶❚❚ button to stop playback, then remove the USB device.

Play/Pause
Press the ▶❚❚ (play/pause) button to pause or resume playback.

Next/Previous Track
• To play the next track, press the ▶▶❙ button.
• To play the previous track, press the ❙◀◀ button.

Fast Forward/Backward
• To fast forward, press and hold the ▶▶❙ button.
• To fast backward, press and hold the ❙◀◀ button.

Introduction Scan
Press the INT button to play the first 10 seconds of each track, press again to stop the
introduction scan, and play the current track.

Repeating the same track
Press the RPT button to repeat the current track, press again to stop repeat plaback and
resume normal playback.

Playing all tracks in random
Press the RDM button to play all tracks in random order, press again to cancel this function.

Track/Folder Navigation
• During a disc, USB mode, press the 5/-10 button to go backward 10 tracks.
  Press the 6/+10 button to jump forward 10 tracks.
• During a MP3 disc, USB mode, press and hold the 5/-10 button to go back the
  previous folder. Press and hold the 6/+10 button to go to the next folder.
  You can repeat this function depending on the number and level of folders.
• These buttons have no this function if the USB device has no folders.

DISC and USB OPERATION (CONT.)

Select the track or file for playback in MP3 format
Press the AMS button repeatedly to select one of the following 3 search modes:

NUM SCH (Searching by track or file serial number)
DIR SCH (Searching by folder serial number)
FILE SCH (Searching by track or file name)

Searching by track or file serial number:
a) In playback of files with MP3 format, press the AMS button once to access the track or file number searching mode which allow you to quickly find a specific MP3 track or file by its serial number, and the "NUM SCH" and "NUM ***" will appear on the LCD display in sequence, and the first symbol "*" will blink.
b) Rotate the VOL knob to select the serial number of your favorite file with high speed.
c) Finally press the SEL button to confirm and play the selected file.

Searching by folder serial number:
The folder search mode allows you to quickly find an MP3 track or file under a specific group folder.
a) In playback of files with MP3 format, press the AMS button twice, the "DIR SCH" will be shown on the LCD display.
b) Rotate the VOL knob to select a desired folder.If there are no root Folder in the MP3 disc, USB, the LCD will display "ROOT")
c) Press the SEL button to play the first track or file of the selected folder.

Searching by track or file name:
This track or file name search function requires only the first few character as search keyword, it will allow you to quickly find an MP3 title by its name.
 a) Press the AMS button three times, the "FILE SCH" and "*------" will be shown on the LCD display in sequence, and the first character "*" will blink.
b)Rotate the VOL knob to change the first character (*). The character will be changed from "A" to "Z", "0" to "9" and "_", "-", ",+","space". Press the SEL button to confirm the character entered and the next character will blink for setting. Press the AMS button to delete the incorrect character.
c) When matched files was found, press the SEL button to start play the searched file.
If the file was not found, "NO FOUND" message will be visible on the display.

AUXILIARY INPUT OPERATION

This car radio is equipped an external auxiliary input jack (3.5mm) on the front panel, and a pair audio auxiliary input RCA connector at the rear cabinet of the head unit, it is compatible with audio output from an MP3 music player.If you have plugged such a player into the AUX IN jack with a audio cable. Or connect other audio device to the audio auxiliary input RCA connector on the rear cabinet of the head unit with a audio input cable.
Press the SRC button to switch to the AUX input mode, then you can listen to music from external devices.

NOTE:
Do not use the AUX IN jack and the audio auxiliary input RCA connector at the sametime, otherwise, it will cause the audio auxiliary function unusable.

BLUETOOTH OPERATION

Pair and Connect
Prior to using the Bluetooth device as a handsfree system for a Bluetooth-enabled mobile phone for the first time, you must pair and connect the two devices as follows:
1. In any mode, prior to pairing and connecting, the BT logo in the LCD indicating that no device is connected. To begin pairing, enable BT mode on your mobile phone.
2. When the phone finds the car audio system,the XM-2CDB622 name will be displayed.
3. Choose the XM-2CDB622 from the device list to pair and connect with the car audio system. Upon confirming, the BT logo will stop flashing.
4. When pairing is complete, the mobile phone audio will automatically transfer to the car audio system whenever a call is made or received, or when the mobile phone plays music.

Make a Call
• To make a call, dial the call directly from the paired mobile phone.
• To make a call with this bluetooth handsfree system:
   a) When linking up the Bluetooth-enabled mobile phone to this bluetooth handsfree system, press the ☎ button to access the dial telephone number mode, then press the "0~9", * and # button on remote control to input the telephone number, and the entered number will be shown on the LCD.
   b) If a number has been incorrectly inputted, press the **DEL** button or ☎ button to delete it.
   c) Press the ☎ button to make outgoing call.

Redial Last Dialed Number
Press and hold the ☎ button on the control panel to redial the last dialed phone number.

Answer a Call
• When the mobile phone is called, the incoming telephone number displays in the LCD.
• To receive the call, press the ☎ button on the control panel.

Reject a Call
To reject the call, press the ☎ button on the control panel.

End a Call
To end an active call, press the ☎ button.

Switch Audio Between Car Audio and mobile Phone
During a call, press the **VOL** knob/button to switch the audio source from the car audio system back to your mobile phone.

Adjust Talk Volume
• During a call, use **VOL** knob or **VOL+** ▲/**VOL-** ▼ button to adjust the volume level.
• Use the **MUTE** button to mute sound.

Audio Streaming (A2DP)
1. Press the **SRC** button to enter BT mode and display media in the LCD display.
2. When a mobile device is paired, music played through that device will automatically be heard through the car audio system.
3. Press the ▶▶ or ◀◀ button to play the next or previous on the mobile phone.
4. Press the ▶❚❚ button to pause or resume music playback.

REMOTE CONTROL

Remove Insulating Sheet

The remote control comes with an insulating sheet attached to the underside of the remote control, as illustrated on the right. The remote control will not work until the insulating sheet is removed.

Replace Lithium Battery Cell

1. When the lithium cell battery becomes weak, replace it as illustrated on the right.
2. Press and hold the movable block in the direction indicated by arrow 1. At the same time, pull the cell holder out of the remote control in the direction indicated by arrow 2.
3. Replace the old cell with a new one, making sure the (+) polarity is facing upward.
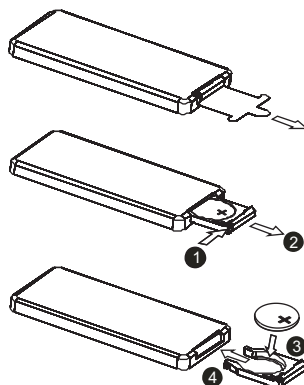4. Re-insert the cell holder into the remote control.

⚠️ - Cell leakage may cause damage to the remote control.
- Do not throw cells into as this may cause an explosion.
- Keep battery cells out of reach of children.

Remote Control Operation

Position the emitting window of the remote control toward the sensor window of the unit.
- The operation angle for front panel remote control reception is about 30 degrees.
- The distance between the emitting window of the remote control and the sensor window of the unit should remain less 5 meters.

Button Names and Locations

1. ⏻ (Power on/off) button
2. VOL+/VOL-(volume increase/decrease) button
3. Band button, ☎ (answer call) button
4. ⏮ Tune down, seek down; Track down, fast reverse
5. SEL(selection) button
6. ⏭ button:tune up, seek up; Track up, fast forward
7. Mute button, DEL(Delete) button
8. CLK(clock setting) button, ☎ (end call) button
9. ⏯ button, preset station 1 button, keypad 1
10. INT(intro) button, preset station 2 button,keypad 2
11. RPT(repeat) button, preset station 3 button, keypad 3
12. RDM (random), preset station 4 button, keypad 4
13. -10(previous 10 tracks), preset station 5 button, keypad 5
14. +10(next 10 tracks), preset station 6 button, keypad 6
15. ST (stereo) button, keypad 7
16. MODE button, keypad 8
17. AMS (automatic music search) button, keypad 9
18. AF(list of alternative frequency) button, keypad ✱
19. PTY(program type) button, keypad 0
20. TA (traffic announcement) button, keypad #
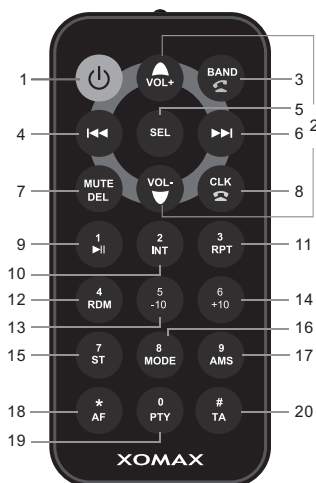
Note: When using the remote control for the first time, you must pull out the portective plastic tab from the battery compartment found on the back of the remote control.

12

SPECIFICATIONS

General
Chassis Dimensions..178(W) x 160(D) x 100(H) mm
Power Supply Requirement ....DC 12V
Current Consumption ....15A (max.)
Maximum Power Output ....60W x 4CH

Radio
FM
Frequency Range...87.5 - 108.0 MHz (50KHz/Step)
Usable Sensitivity ....30 dBu
I.F. Frequency ....10.7 MHz

CD/USB
Usable Audio Formats CD/MP3/WMA
USB Port Type...2.0
USB Charging...5V/1A

Pre-amp Output ....Front ,Rear and Sub
Frequency Response ....20 Hz - 20 KHz
S/N Ratio 60dB

BT
BT Profile supports ....A2DP, AVRCP, HFP
Range of frequency ....2.4GHz spectrum

TROUBLESHOOTING

The following chart will help in solving most problems that may occur.
If you still have questions after going through the checklist, please consult your local customer service representative. Before going through this check list, refer the wiring and operating procedures.

Symptom	Cause	Solution
No power	The car ignition switch have not turn 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 has been blown.	Replace a new one.
Disc can not be loaded or ejected.	Presence of CD disc inside the player.	Remove the disc from the player, and insert a new one.
	Inserting the disc in reverse direction.	Insert the CD with the label facing upward.
	The surface of CD is extremely dirty or has been scraped.	Clean the disc or try to replace a new one.
	Temperature inside the car is too high.	Cool off or until the ambient temperature return to normal.
	Condensation	Leave the player off for an hour or so, and then try again.
No sound	Volume is in minimum.	Adjust volume to a desired level.
	The wiring is not properly connected.	Check wiring connection.
Sound skips	The installation angle is more than 30^0.	Adjust the installation angle less than 30^0.
	The surface of CD is extremely dirty or has been scraped.	Clean the disc or try to replace a new one.
The operation keys do not work	1. Car interior is too hot.	1. Allow vehicle to cool before using this player.
	2. The front panel has not properly installed.	2. Fixed the front panel into its place.
No radio reception.	The antenna cable is not connected.	Insert the antenna cable firmly into the antenna socket of this radio.
In automatic search mode the radio does not stop at a transmitting station.	The transmission signals are too weak.	Select a radio station manually.