

## User manual

### XM-RD&+'

Thank you for purchasing one of our XOMAX products! We appreciate your confidence. Enjoy your brand new multimedia unit!



Please read the following manual carefully before you install and use the unit. Please save this manual in case you will need to clarify further possible questions regarding installation and usage of our product.

We are constantly trying to keep our online-library of user's manuals for our products up-to-date. In case you miss some information or if something should be unclear, please visit our homepage [www.xomax.de](http://www.xomax.de) for a current version of user's manual or contact our customer service.

**Please note:** Any alternations and changes of technical data or/and design due to technical update of some models need no advertisement.



We appreciate our environment, so to keep it safe and clean, we do not print our manuals on paper but provide our products with manuals in digital version created in \*.pdf format.

You can find and download them anytime on our homepage [www.xomax.de](http://www.xomax.de), view them on your mobile devices and print them for yourself if needed.

## Manual's version 1.0

Last update &' .0, .201-

## Safety instructions and precautions

### Handling by stop only

To avoid any accidents please don't handle the unit while you driving. Please stop and park the vehicle at safety place and handle the unit casually.

### Installation

Please read the following manual carefully before you install the unit. We recommend you to let the technician install the unit in your vehicle.


### Regular loudness

Please set the loudness of the unit to the appropriate level so you were still able to hear exterior noises especially traffic warning signals. Furthermore the higher loudness level can damage your hearing organs.

### Repair of the unit

Do not open the unit. Do not try to repair the unit by yourself due to any emerging technical problems. While opening the unit by yourself exists the danger to be electrocuted. Do not use the unit any further since you detect any kind of technical problems. Leave all the repair opera-

tions to professional technicians.

 Due to flawed warranty seal the warranty becomes invalid.

### Power supply

Use the unit connected only to 12 Volt on-board power supply. The minus (-) should be connected with the ground (GND) (negative).

Due to the wrong grounding exists the danger of fire. In case of doubt please consult with professional technicians.

### Replacement of fuses

While replacing the fuse please make sure that the new fuse has the same properties as the old one, especially the amperage.

### Overheating

Do not occlude the vent holes to avoid the heat generation and accumulation in the unit. Otherwise exists the danger of fire.

### Regular temperature

Please make sure that the temperature inside the vehicle amounts to not more than +60 C. If it's too hot inside the vehicle, do not turn the unit on until the inside temperature of the cabin descends.



### Cleaning of the unit

Please keep the unit clean and remove the dust from it regularly. Please use for that a soft and dry cleaning rag.

Major soilings can be removed carefully with the wet cleaning rag. Do not use any chemical or alcohol-containing detergents to avoid the damage of the unit's varnish.




### Moisture

To avoid the danger of fire or the electric shock do not put the unit in to the moist environment (e.g. adverse weather conditions, inappropriate wet cleaning etc.)


## Installation

### Installation notes

Here you can find relevant installation notes and common information.

 The detailed installation manual you can find on our homepage [www.xomax.de](http://www.xomax.de).

The printed version of a common installation manual you can find in the package.

 We recommend you to let the technician install the unit in your vehicle.

### Before the installation

#### **WARNING!**

**Please read the following manual carefully before you install the unit.**

**Damages caused due to an inappropriate installation will not be covered by warranty.**

**If you do not want to risk your warranty entitlement, please let the technician install the unit in your vehicle.**

» To avoid a short circuit please disconnect the vehicle battery before the installation. To do it properly please read the manual of your vehicle.

» Make sure that your vehicle is equipped with a car radio slot of required size (1DIN)

» As may be the case you will need a suitable faceplate, adapter or other accessories. These could be provided from your local specialist supplier.

» The connection cables may not be cutted or short-circuited. Otherwise the warranty becomes invalid.

» Before the installation please make sure that your vehicle has the 12 Volt on-board power supply.

» The minus (-) should be connected with the ground (GND) (negative).

» Please tag the polarity of the available speakers before you disconnect the vehicle battery.

» A proper grounding of the unit's housing requires a clean ground connection. Thus the grounding area should be rust-, stain- and dust-free.

» Please ground the cable separately from other heavy current devices such as an amplifier etc.

» Please ensure that the colored cables are connected according to the wiring diagram. The wrong wiring may lead to malfunctions or even damages of the electric elements of the vehicle.

» Please note that the connection cables of this unit and of the other devices may have the same purpose but the different color. For this reason while connecting this unit with the

» other devices please ensure that both of the cables in each case have the same purpose. To connect everything correctly please refer to the manuals of the both devices.

» Please ensure that the negative speaker cable is in each case connected with the negative speaker terminal of the ISO port. Do not ever connect the negative speaker cables with the vehicle body.

» This unit is designed and construed for connection with 4 speakers. Do not combine this unit with devices that are designed and construed for connection with 2 speakers.

» The speakers should feature the impedance of 4-8 Ohm and a sufficient wattage.

» Please ensure that the speakers you are connecting with the unit are intact. Damaged speakers can impair the unit.

» To avoid a short circuit please isolate all cable junctions and endings of the unused cables with the electrical tape.

» All the cables should be layed and fixated tidy and properly. The cables should not contact any movable or hot objects.

» If your vehicle doesn't have an "ACC" ignition position, please connect the red cable with the ignition switch. Otherwise the unit will not turn off automatically, causing the discharging of the vehicle battery.

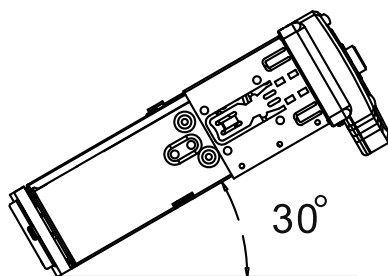
» To avoid a rogue and hazardous short circuit do not lay the yellow cable

through the engine bay in order to connect it with the vehicle battery.

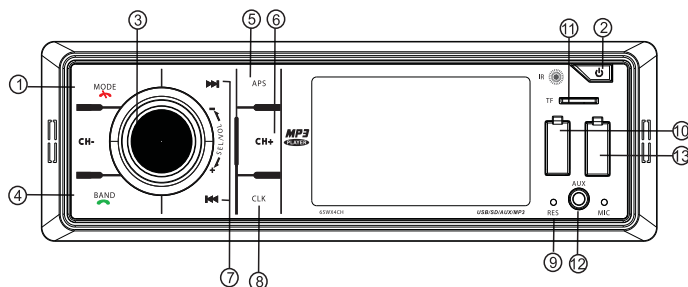
» Do not ever connect speaker cables among one another. In case you do not want to connect all the 4 speakers with the unit please isolate the endings of unused cables with the electrical tape to prevent a short circuit.

» Do not ever connect the negative speaker cables with the vehicle body.

» To ensure a flawless performance of the unit the intergration angle should amount to +/- 30°.



## Operating elements



### 1. MODE button:

Press it to switch the mode from DAB, USB, CARD, AUX IN, TUNER, BT MUSIC. When it is on Bluetooth phone call, press it to hang up the call.

### 2. Press it for power on/off

### 3. (1) VOL+, VOL-: Volume adjustment.

#### (2) Multi function button

★ Press it once for “BAS”, press it twice for “TRE”, a third time for “BAL”, a fourth time for “FAD”, a fifth time for “USER SET”, a sixth time for “LOUD ON/OFF”, a seventh time for “STEREO/MONO”, a eighth time for “DX/LOCAL”, a ninth time for “VOL”. Hold it then press it for EQ choice. Hold it then rotate it for DEEP OFF / ALL/2ND.

### 4. BAND:

When it's radio mode, press it for switch among FM1, FM2, FM3, MW1, MW2.

When you are on Bluetooth status, press it to redial the last called phone number. When there is calling coming, press it to answer the phone.

### 5. APS: A. Hold it to enter tracks selection. With the rotating volume control button “No.3”, you can select the track.

B. Hold it for manual storage of stations.

### 6. CH+/CH- button:

CH+button: In playing mode, press it to pause or to resume it. Hold it to play the track of the next folder.

CH-button: In playing mode, press it to select INT ON, RDM ON, RPT ONE, RPT ALL playing. In radio mode, press it to select stations. Hold it to memorize the present station under the selected number 1-6 (When you hold on CH+/CH-, the station will flash, then press CH+/CH- to select the number you like. Then hold the button to save radio station.

### 7. button:

In radio mode, hold it for manual station search, press it for automatic station search. when in playing mode, press it for the last or next track, hold it for fast forward and fast backward.

### 8. CLK:

Press it to show the time. Hold it to adjust the time with operating Volume button and SEL button.

### 9. RESET:

Press this button for resume to the state of the factory when something abnormal happens during the running of the unit.

### 10. USB port for MP3 media files

### 11. TF port

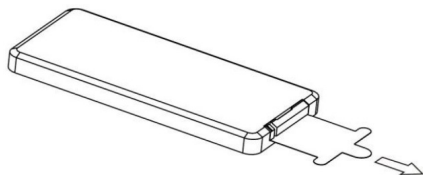
### 12. AUX

### 13. USB port for loading smartphone

## Startup operations

### Usage of the remote control


Before the first usage please remove the isolation plate.



Aim the remote control at the IR receiver on the front operating panel.

The IR receiver should not be blocked.

As soon as the remote control does not work proper the battery should be replaced.

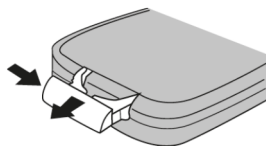
 Do not expose the remote control to direct sunlight or air heater.

### Replacement of the battery

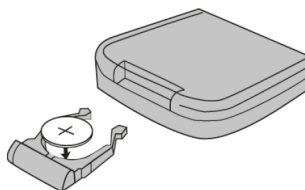
The remote control is operated by CR-2025 Lithium battery.

As soon as the remote control does not work proper the battery should be replaced.

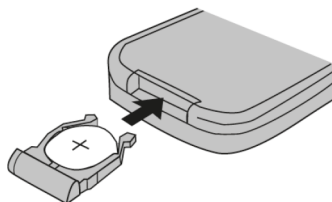
### Replacement instructions:



1. Remove the battery compartment: push it to the left first, then pull it out.





2. Remove the old battery and insert the new one (CR-2025 Lithium).



3. Insert the battery compartment back into the remote control till it clicks into place.

## Unit on/off

Press the  button to turn the unit on.

If the unit is already on, keep the  button pressed for a couple of seconds to turn it down.

## AUX input

The AUX input is a 3,5 mm jack plug on the front operating panel.

Herewith you can connect the unit with on of the external playback devices: MP3 player, smartphone, cellphone or tablet PC.

An adapter cable 3,5 mm jack-to-jack will be required.



Press the  button (perhaps several times) to get to AUX mode.

If the external device is connected with the unit, the playback is audible via car radio loudspeakers.

The playback control can be achieved via external device only.

## Insert a micro SD card

Insert a micro SD card into the slot with the label side up and the pin side down.



Make sure that the card is intact and dirt-free.

## Insert a USB flash drive

Insert an USB flash drive proper into a USB plug.

Do not insert any heavy or big USB flash drives in order not to hit it accidentally - it could cause damages of the USB plug or USB flash drive.




**1 Micro SD cards and USB flash drives should have following file-system format: FAT32. Other types will not be supported.**

Following music formats are supported:

»» MP3 (with ID3 tags as well)


»» WMA




 Please note that the left USB slot is not suitable for charging the mobile device battery. Please use the right USB slot on the Fronta-panel.

### USB charging function

The right USB slot with charging function is located on the front panel. Insert the USB charging cable from your mobile device correctly and carefully into the USB slot.

 Please note that the right USB slot is not suitable for playing the media files. No USB sticks are accepted on this USB slot. Please use the left USB slot for this.

### Factory settings

Pressing the  button (see page 6) button you can set the unit back to the factory settings.

Use a pencil or similar to press the button. After reset the unit shuts down automatically.

### Set LED color

To change the illumination color, press the knob until **"AUTO"** appears on the screen.

Turn the knob to toggle between the color settings: **AUTO, BLUE, GREEN, CYAN, RED, PURPLE, YELLOW** and

### WHITE.


The setting **"AUTO"** stands for the automatic color change: the car radio changes its illumination color every 3 seconds.

### Bluetooth connection

Before the first usage of any Bluetooth function the unit should be connected via Bluetooth with the device of your choice.

- ❶ Activate the Bluetooth function on the external device (e.g. cellphone).
- ❷ Search for a new device named **"CAR BT"** (this very unit).
- ❸ Select it to build a connection between your cellphone and the unit.
- ❹ If required enter the password **"0000"** and confirm the entry.
- ❺ Now the both are connected.

*In order to find out how to activate the Bluetooth function on your cellphone or other device please read the corresponding manual.*


 Once you have connected via Bluetooth the unit with an external device of your choice, the connection will be built automatically as soon as the device appears in the receiving area of the unit.

The Bluetooth function should be **"ON"** both on the external device and on the unit.

## Hand-free phone call

This unit contains a Bluetooth feature "hand-free phone call" which allows to make your phone calls hand-free via integrated microphone and loudspeakers.


### Take a call

By incoming call press the **BAND/** button on the front panel to accept it.

### Redial

Press the **BAND/** button to redial the last number dialed.

### End / reject a call


To end the active call or to reject the incoming call press the **MODE/** button on the front panel.

## Bluetooth music

The "Bluetooth music" feature allows to play the music from the external device of your choice (cellphone, smartphone, tablet PC) via car radio speakers.

The device should support the A2DP service.

### Start Bluetooth music

Press the **MODE/** button several times till the prompt "**PHONE**" o "**BT AUDIO**" appears on the screen.

Now load the playback program on the external device and start the playback.

## Operate Bluetooth music

Following functions are available to operate the playlist of the external device via the unit:

<b>CH+</b>	<b>Pause/resume playback</b>
<b>⏮</b>	<b>Skip to previous track</b>
<b>⏭</b>	<b>Skip to next track</b>

A playlist has to be created via the external device first.

## Common solutions

The following advices are generally valid and refer to diverse Xomax models with the similar characteristics. Please note that some articles may refer not to your model exactly and may contain the description of features and functions that your model does not support.

Description of the problem	Cause and solution
<p><b>The remote control is without function.</b></p>	<p><b>Solution 1:</b>  <i>Please ensure that the battery film is removed. By delivery the battery is protected by a film which should be removed before usage.</i></p> <p><b>Solution 2:</b>  <i>The battery could be empty. Please replace it if required.</i></p> <p><b>Solution 3:</b>  <i>Please make sure that the infrared receiver (labelled with IR) on the control panel is not blocked.</i></p> <p><b>Note:</b>  <i>You can test the functionality of the remote control as follows: please hold the IR transmitter towards a camera (e.g. a cell phone camera) and press any button on the remote control. If the remote control is operative you can see the infrared signal on the display of the used camera device.</i></p>
<p><b>Radio stations are lost:</b></p> <p>As soon as the unit will be turned off all the stored stations and user's settings will be lost.</p>	<p>This problem is caused due to a wrong connection of the ISO cable.</p> <p>Please interchange the cables for ignition plus and for steady plus.</p> <p><b>Caution:</b>          If these wires have fuses, the latter should be interchanged as well.</p>

<p><b>Poor radio reception:</b> The radio tuner finds no broadcaster or the reception is poor.</p>	<p>For problem-solving regarding the radio reception it is important to know the type of the antenna of your vehicle.</p> <p>Here are the possible solutions for each type of the antenna:</p> <p><b>Type 1 – passive antenna:</b> We recommend you to substitute the existing antenna by the larger and therefore more efficient one.</p> <p>Shark fin or rod antennas (under 5 cm) are definitely insufficient.</p> <p><b>Type 2 – active antenna:</b> The vehicle provides no current for the active antenna. In this case a phantom power is required, which provides the active antenna with the external power supply.</p> <p><b>Type 3 – active antenna with diversity system:</b> The unit provides no current for the active antenna and has no diversity support. For this type of antenna is required the phantom power with an integrated diversity system.</p> <p><b>Note:</b> A phantom power is not to be confused with an antenna amplifier, which is far less efficient.</p>
<p><b>The unit does not turn on.</b></p>	<p>This problem is in most cases caused due to a wrong connection of the ISO cable.</p> <p>Please review the pin assignments of the ISO plug and ISO socket. Pay attention to the proper connection of the ignition- and steady plus and correct the discrepancy if required.</p> <p><b>Note:</b> Though the design of ISO port is standardized, it's pin assignment is not and may vary. Thus in case of mismatch of connections due to different pin assignments a simple plug'n'play connection may lead to grievous errors.</p>

## Disposal / recycling information

### Disposal of an old unit

User information regarding disposal of electric and electronic devices (private households)



WEEE DE19856609

This symbol on products or in their manuals implies that electric and electronic devices at the end of their service life should be separated from the domestic waste.

Please hand these products for recycling at municipal collection points free of charge.

The proper disposal of these products contributes to environment protection. To find the nearest collection point or recycling yard please consult your municipal administration.

### Disposal of the battery

According to the battery decree we make you aware of your obligation to dispose of empty batteries at municipal collection points.

Batteries that contain pollutants (e.g. Hg = mercury, Pb = lead, Cd = cadmium) are labelled with the symbol pictured above.

At our place you can free dispose of the empty batteries purchased at our store.

#### **XOMAX distribution worldwide**

Purchase XOMAX car radio online:

<https://www.carmediashop.de>

#### **XOMAX in the world wide web**

XOMAX manufacturer's information:

<http://www.xomax.de>