



# MULTIMEDIA NAVIGATION RECEIVER

## USER MANUAL

M-OF7030

M-OF7040

M-OF7050



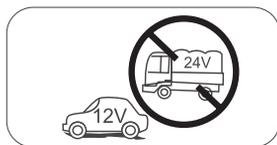
# MACROM



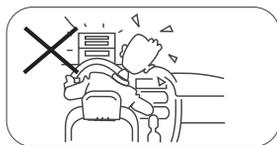
## Safety Precautions

Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you've finished reading the instructions, keep this manual in a safe place for future reference.

Only connect the unit to a 12-volt power supply with negative grounding.



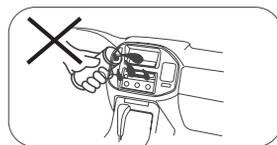
Never install this unit where the operation & condition for safe driving is impaired.



Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except for using rear view video camera.



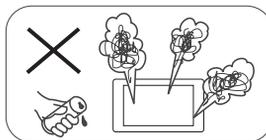
Never expose this unit, amplifier, and speakers to moisture or water to prevent electric sparks or fire.



Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.



Please contact your nearest dealer if one of the following symptoms is experienced:



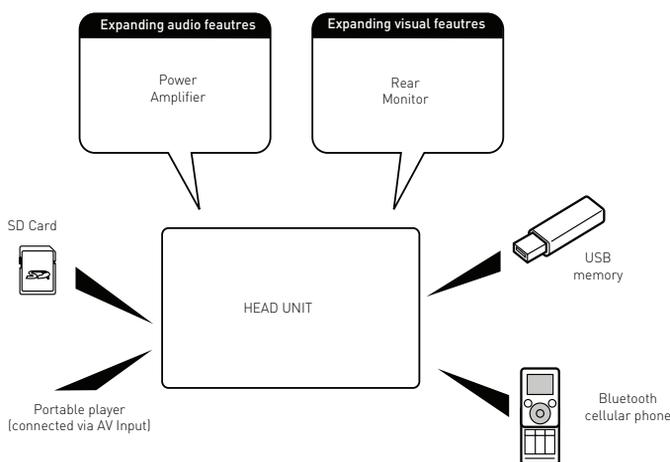
- (a). Water or other objects enters the unit.
- (b). There is smoke.
- (c). Peculiar smell.

To ensure safe driving, please adjust the volume to a safe and comfortable level in case of emergency situations.

## Safety Precautions

1. Never disassemble or adjust the unit without any professional guidance.  
For details, please consult any professional car shop / dealer for inquiry.
2. If the front panel or TFT monitor is dirty, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration to the monitor.
3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual. If no relevant information is found, please press the [RESET] key on the front panel to resume factory default.
4. If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.
5. Using the car heater in low temperature environment may result in moisture inside the unit, DO NOT use the unit in this situation. Eject the disc and wipe off the moisture on the disc. If the unit still doesn't work after a few hours, please contact the service center.
6. Do not impact the LCD monitor which could cause damage.
7. To prevent damage to the screen, avoid touching it with sharp objects.
8. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used.  
However, some illustrations are different from the actual images displayed on the screen.
9. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

## Expanding System



Note:

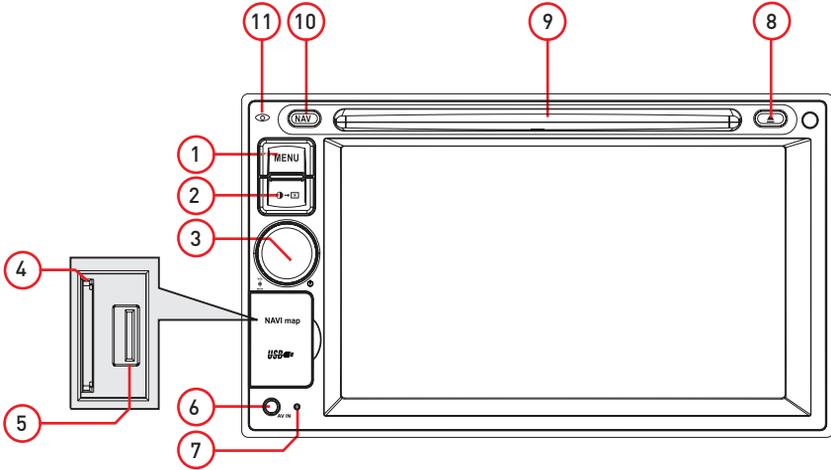
The items listed outside of the frame are the commercial products generally sold.

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# M-OF7030 Product overview

## Front panel

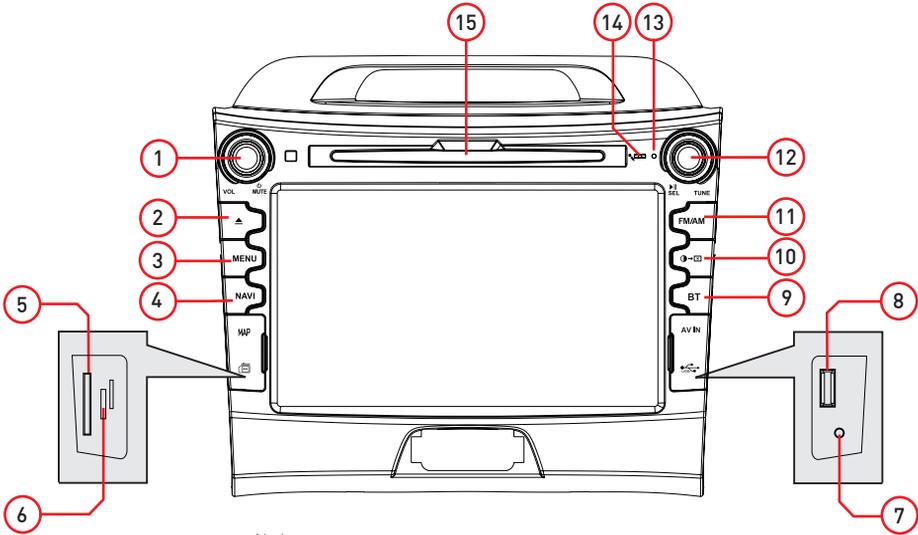


Notice:  
The graphic in this manual is for reference only, and may be different from the actual unit.

1. [MENU] Button  
Press to switch between the available audio/video sources applied to the unit.
2. [Sun] Button  
Adjust screen brightness (press) Black screen (long press).
3. [VOL/🔊] Knob  
Press to turn the unit ON. Press and hold to turn the unit OFF.  
Rotate to adjust the volume. Press momentarily to activate the MUTE function. Press again to resume normal listening.  
Press the [Sun] key rotate the knob adjust the screen brightness
4. Map Slot  
The SD card is used for the Navigation Map only, not for music or other files.
5. USB port  
Connect a USB device for playback of music/video files.
6. A/V Input  
Accepts a 3.5mm jack through which signals from various audio/video devices can be applied to the unit.
7. Reset Button  
Press to reset system settings to factory default (except password and parental lock settings).
8. [Eject] Button  
Press to eject a disc.
9. Disc slot
10. Navigation  
Press to switch to navigation mode.
11. Internal Microphone  
Internal microphone for Bluetooth calls.

# M-OF7040 Product overview

## Front panel

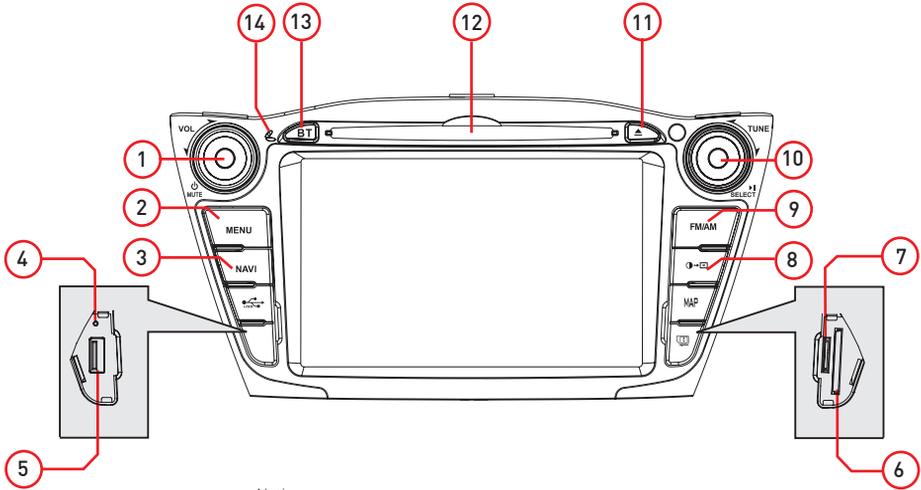


Notice:  
The graphic in this manual is for reference only, and may be different from the actual unit.

1. [VOL/Ⓚ/Ⓜ] Knob  
Press to turn the unit ON. Press and hold to turn the unit OFF.  
Rotate to adjust the volume. Press momentarily to activate the MUTE function. Press again to resume normal listening.  
Press the [Ⓚ→☐] key rotate the knob adjust the screen brightness
2. [▲] Button: Press to eject a disc.
3. [MENU] Button: Press to switch between the available audio/video sources applied to the unit.
4. Navigation: Press to switch to navigation mode.
5. SD/SDHC card slot: Insert an SD card for playback of music/video/picture files.
6. Map Slot: The SD card is used for the Navigation Map only, not for music or other files.
7. A/V Input. Accepts a 3.5mm jack through which signals from various audio/video devices can be applied to the unit.
8. USB port: Connect a USB device for playback of music/video files.
9. Reset Button: Press to reset system settings to factory default (except password and parental lock settings).
10. [Ⓚ→☐] Button: Adjust screen brightness (press) Black screen (long press).
11. [FM/AM] Button: Press to enter the radio Mode. Press to switch radio band.
12. [TUNE / SEL] knob:  
Rotate to select next/previous track or preset station.  
Play/pause (press). Enter EQ setting (long press).
13. Reset Button: Press to reset system settings to factory default (except password and parental lock settings).
14. Internal Microphone: Internal microphone for Bluetooth calls.
15. Disc slot: Internal microphone for Bluetooth calls.

# M-OF7050 Product overview

## Front Panel

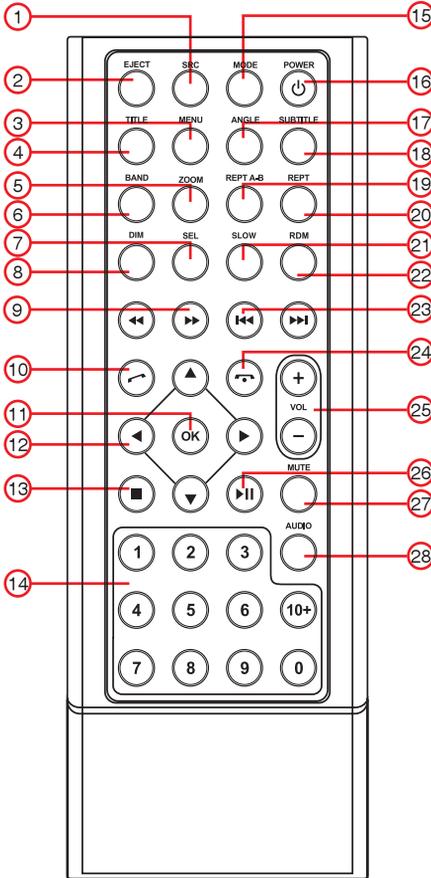


Notice:  
The graphic in this manual is for reference only, and may be different from the actual unit.

1. [VOL/ ] Knob  
Press to turn the unit ON. Press and hold to turn the unit OFF.  
Rotate to adjust the volume. Press momentarily to activate the MUTE function. Press again to resume normal listening.  
Press the [ ] key rotate the knob adjust the screen brightness
2. [MENU] Button: Press to switch between the available audio/video sources applied to the unit.
3. Navigation: Press to switch to navigation mode.
4. Reset Button: Press to reset system settings to factory default (except password and parental lock settings).
5. USB port: Connect a USB device for playback of music/video files.
6. SD/SDHC card slot: Insert an SD card for playback of music/video/picture files.
7. Map Slot: The SD card is used for the Navigation Map only, not for music or other files.
8. [ ] Button: Adjust screen brightness (press) Black screen (long press).
9. [FM/AM] Button: Press to enter the radio Mode. Press to switch radio band.
10. [ TUNE / SELECT/ ] knob:  
Rotate to select next/previous track or preset station.  
Play/pause (press). Enter EQ setting (long press).
11. [ ] Button: Press to eject a disc.
12. Disc slot: Internal microphone for Bluetooth calls.
13. [BT] Button: Enter the Bluetooth Mode.
14. Internal Microphone: Internal microphone for Bluetooth calls.

# Remote control overview

## Front view



1. Change Current Source.
2. Eject the disc.
3. Enter the DVD menu.
4. Enter the DVD Title.
5. Zoom in /out on an image.
6. Select radio band.
7. EQ setting
8. Dimmer adjustment
9. [◀] - Fast Reverse  
[▶] - Fast Forward
10. Dial/Receive call
11. Confirm
12. [▲] -Play Photo:UP-DOWN Mirror;  
Play Disc:Select Files.  
[▼] -Play Photo:Left-Right Mirror;  
Play Disc:Select Files.  
[◀] -Return To Play List  
[▶] -Play Photo:Clockwise Rotation ;  
Play Disc:Select Files.
13. Stop/Return
14. Digit area
15. Press to switch between the main menu and current source
16. Power on/off
17. Photo Angle Select
18. DVD Subtitle
19. Setup to repeat playback from time frame A to time frame B.
20. Repeat playback of current chapter.
21. Slow playback
22. Play all chapter in random order.
23. - Radio tune  
[◀◀] - Previous  
[▶▶] - Next
24. Hang up
25. Increase/Decrease volume.
26. Pause playback/Start playback.
27. Mute on/ off audio output
28. Audio Channel Select.

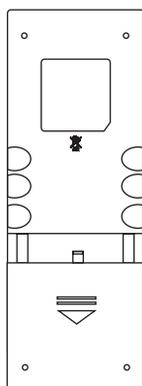


## Remote control overview

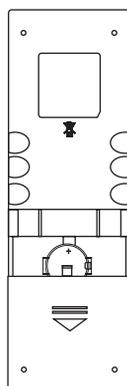
### Back view

Notes on Remote Control Usage

1. Aim the remote control at the remote sensor on the unit.
2. Replace the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
3. DO NOT store the remote control in direct sunlight or in a high temperature environment, as it may not function properly.
4. The battery can last up to for 6 months in normal conditions. If the remote control does not work, please change the battery.
5. Use "button shaped" lithium battery "CR2025" (3V) only.
6. DO NOT recharge, disassemble, heat or expose the battery to fire.
7. Insert the battery in the proper direction according to the (+) and (-) poles.
8. Store the battery in a place where it cannot be reached by children to avoid the risk of accident.



PULL OUT



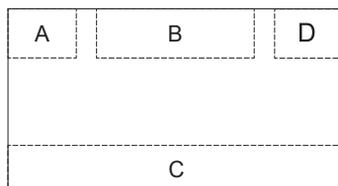
PUSH IN

## Touch screen

### Controls

The touch key areas for DVD playback are outlined below:

- A: Return to the main menu
- B: Play the video and display playback information
- C: Display onscreen control menu
- D: Time display



# Basic Operations

## Detect parking brake

- Connect the cable "BRAKE" to the parking brake switch to view video files on the TFT monitor. Engage the parking brake for viewing videos.
- When the parking brake is not engaged, the monitor displays "Warning!!!, Video playback is disabled for your safety. Engage parking brake to watch video.", preventing the driver to watch content while driving. The rear screens are not interested in this inhibition.

## Mute

Press [ VOL/Ⓜ/🔇 ] knob to mute the volume from the unit. Press again to restore the volume. [ 🔇 ] is displayed on the LCD. Adjusting the volume or using any of the audio setup features cancels the mute function.

## Power On / Off

Press the [ VOL/Ⓜ/🔇 ] knob on the unit to turn the unit on. The buttons on the front of the unit light up for a moment and the current mode status appears in the LCD. Press and hold the [ VOL/Ⓜ/🔇 ] knob to power off the unit.

## Audible Beep confirmation

An audible beep tone confirms each function selection. The Beep tone can be disabled through the Setup menu.

## Playing source selection

Press the [ MENU ] button on the front panel to change between available playing sources. The playing mode is displayed on the screen.

1. Date and Time display. Double click to switch to Clock mode.
2. Function icons
3. ⬅ or ➡; Touch this page button to view the first or second page of on-screen buttons. You also can drag left or right on the blank area to switch the pages.
4. Touch repeatedly to change wall papers.
5. Touch for quick access to Equalizer level settings.



# Basic Operations

## EQ menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

## Select preset equalizer

1. Enter the EQ setup mode  
Touch the [EQ icon] in the user interface and the EQ setup interface will display on the screen.
2. Select EQ mode  
[User] [Rock] [Flat] [Class] [Pop] [Jazz] [Techno] [Optimal]

## Adjust EQ parameters

To adjust EQ parameters, touch and drag the parameters adjustment bar.

Touch [▲] / [▼] or drag [Slider] to adjust the parameters.

- [ User ]: Set the desired audio effect.
- [BAS] bass range: -7 to +7
- [MID] middle range: -7 to +7
- [TRE] treble range: -7 to +7
- [LPH] low pass filter range: 60, 80, 100, 200
- [MPF] middle pass filter range: 0.5K, 1K, 1.5K, 2.5K
- [HPF] high pass filter range: 10K, 12.5K, 15K, 17.5K
- [ LOUD ]: On/Off : When listening to music at low volumes, this feature will selectively boost certain bass and treble frequencies.
- [ RESET ]: Cancel the equalizer function settings.



## Adjust Fader/Balance

You can adjust front/back/left/right balance of the speaker and the subwoofer volume to get balanced listening effect according to the surroundings and your interest.

1. Enter the EQ setup mode  
Touch the [EQ icon] in the user interface and the EQ setup interface will display on the screen.
2. Adjust subwoofer volume  
Touch [▲] / [▼] or drag [Slider] to adjust subwoofer volume from 0 to 38.
3. Adjust fader / balance value  
Touch [▲] / [▼] / [◀] / [▶] to adjust fader / balance value  
[▲]: Front speaker, fader range: 0 to 7.  
[▼]: Rear speaker, fader range: 0 to 7.  
[◀]: Left speaker, balance range: 0 to 7.  
[▶]: Right speaker, balance range: 0 to 7.



### Notes:

1. The parameters of the EQ modes has been preset and you can not change them besides 'User'.
2. The EQ mode will change to 'User' automatically when you adjust the frequency value under the modes besides 'User'.
3. The value of Sub is independent of EQ mode and can be adjusted separately.

## Setting Date /Time

### Date /Time

1. Touch [  ].  
The date/time setup menu is displayed.
2. Touch [ Time ].

### Date

1. Touch [ Date ].
2. Touch the date information on the screen .  
A submenu is displayed.
3. Touch [  ] or [  ] to set year, month and day.

### Clock mode

1. Touch [Clock mode].
2. Touch [12H] or [24H] to switch clock mode.

### Time

1. Touch [ Time ].
2. Touch the time on the screen, a submenu is displayed.
3. Touch [  ] or [  ] to set hour and minute.

### Desk timer

1. Touch [ Desk Timer ].
2. Touch [ Simulate Timer ] or [ Numeral Timer ] .

### Power off timer

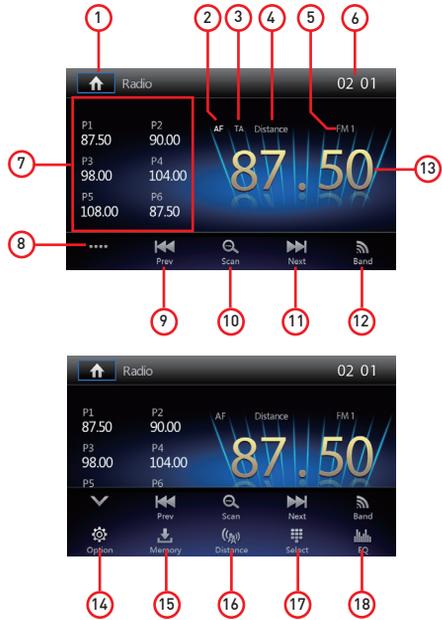
1. Touch [ Power Off Timer ].
2. Touch [ On ] or [ Off ] to select whether timer displays after power off.



# Radio Mode

## Tuner TFT display

1. Touch to view the SOURCE MENU and select a new playback source
2. AF: Alternative Frequency indicator
3. TA: Traffic Announcement indicator
4. Distant signal broadcasting indicator
5. Current radio band indicator
6. Clock
7. Broadcaster information stored at the preset
8. Touch to view more on-screen buttons
9. Touch to seek backward
10. Scan preset stations
11. Touch to seek forward
12. Touch to change between AM/FM bands
13. Current radio information
14. RDS setting options
15. Current band preset radio stations
16. Touch to change between Local and Distance
17. Enter frequency directly
18. Touching for quick access to Equalizer level settings



## Select radio as playing source

Open the Source Menu and then touch [Radio].

## Select one radio Band

Touch the [Band] icon on the user interface to select one radio band among FM1, FM2, FM3, AM1 and AM2.

## Tune the radio

### Auto Tuning

Press the [Seek Backward] / [Seek Forward] button on the remote control briefly or hold [Seek Backward] / [Seek Forward] icon on the user interface more than 1 second to seek a higher / lower station.

To stop searching, repeat the operation above or press other keys having radio functions.

### Manual Tuning

#### Method 1:

During manual tuning, the frequency will be changed in steps.

Press the [Seek Backward] / [Seek Forward] button on remote control or touch the [Seek Backward] / [Seek Forward] icon on the user interface to tune in a higher / lower station.

#### Method 2:

1. Touch the numeric keypad icon [Keypad].  
Numeric keyboard is displayed, touch number to input frequency.
2. Touch [Back] to delete the input number step by step.
3. Touch [OK] to enter.



## Radio Mode

### Preset station

The unit has 5 bands, such as FM1, FM2, FM3, AM1, AM2, and each band can store 6 stations; the unit can store 30 stations in total.

#### Intro/Scan

Press the [🔍] icon to intro. Each stored station will play for 5 seconds automatically.

Hold down the [🔍] icon to scan. Only stations with sufficient signal strength will be detected and stored in the memory. After scanning, P1 will play automatically.

#### Manual Store

1. Tune to a station.
2. Touch [••••] to display the 2nd menu.
3. Touch [⬇️].
4. Touch one of the channels P1 to P6 to save the selected band.

#### Tune to a Preset Station

1. Touch [Radio].
2. Select a band (if needed).
3. Touch one of the preset channels (P1 to P6) on the screen.



### Local seeking

Touch the [📶] icon and choose the Radio Local or Distance.

When the [📶] icon turns bright, only stations with a strong signal strength will be detected. Default is "Distance".

### RDS basics

RDS transmits data to the radio which displays information such as name station, song artist, and song title.

RDS service availability varies with areas.

### Adjust RDS settings

1. In Radio menu, touch [⚙️].  
The option menu is displayed.
2. Touch on the selected option to change the setting.
  - [TA]: To turn on or off "TA" function.
  - [AF]: To turn on or off "AF" function.
  - [PTY]: To show PTY list.





## Radio Mode

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### RDS ( Radio Data System )

The unit provides basic functions of RDS.

RDS service availability varies with areas. Please verify if RDS service is available in your area.

### AF function

Alternative Frequencies Lists are used in conjunction with the PI code (Program Identification code)to assist automatic tuning.

Using this information, the radio can automatically search out another frequency of the same station.

Note:

- During auto switching radio frequency, some interference may be heard..
- Turning off AF function can settle this problem.

### EON ( Enhanced Other Networks )

When EON data is received, the EON indicator lights and the TA and AF functions are enhanced.

TA: Traffic information can be received from the current station or stations in other network.

AF: The frequency list of preset RDS stations is updated by EON data. EON enables the radio to make fuller use of RDS information. It constantly updates the AF list of preset stations, including the one that currently tuned into.

### TA function

The TA (Traffic Announcement) function lets the unit receive traffic announcements automatically. The TA function can be activated by a TP (Traffic Program) station broadcasting traffic information.

When TA is activated and a traffic announcement is received, the current playing source will be overridden by the traffic announcement. The unit returns to the original source after the traffic announcement has been received.

### PTY function

PTY is an abbreviation for the type of program defined by a code to define the program being broadcast (eg news or Rock).

The Options of PTY is displayed on the screen. To see the options PTY, tap the scroll bar and arrows on the screen.

When an option is selected PTY (eg News), the radio unit, the PTY search available. If the PTY requested was not found, the unit returns to the original radio frequency.



## Playback Mode

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### Load a disc

You can play video, audio or images stored on the following discs:

- DVD Video, DVD-R, DVD-RW
- VCD
- Audio CD, CD-R, CD-RW

Note:

Ensure that the disc contains playable content.

### Eject a disc

Press the [▲] key on the front panel to eject the disc. When the disc is ejected, the unit switches to the previous source.

### Controlling playback

To access the on-screen controls, touch the screen except upper left corner, and touch again to cancel display. Touch [••••] to view all function icons.

### Connect a USB device

1. Open the USB door.
2. Insert the small end of the USB cable to mini USB socket, then connect the other end of the cable to your USB device.

### Remove a USB device

1. Select other source on the main menu.
2. Remove the USB device.

### Insert a SD/MMC card (only for M-OF7040 and M-OF7050)

1. Open SD/MMC card cover.
2. Insert the SD/MMC card into the SD/MMC card slot.  
Play starts automatically.

### Remove a SD/MMC card (only for M-OF7040 and M-OF7050)

1. Select other source on the main menu.
2. Press the SD card to remove it.

### Play/Pause

1. Once a disc, USB or SD/MMC card is inserted, play starts automatically.  
For DVD movie, if a menu appears, press [▶] to start play.
2. To pause, touch [||].  
To resume play, touch [▶].
3. Skip to previous / next track / chapter, press [◀◀] / [▶▶] key.

### Previous/Next

Touch [◀◀] / [▶▶] key on the screen to skip to previous / next track / chapter.



# Playback Mode

## Search for a folder

### For Audio Files

1. Touch [🎵] to display all available audio folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

### For Video Files

1. Touch [📺] to display all available video folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

### For Picture Files

1. Touch [🖼️] to display all available picture folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

### For Folder Control

1. Touch [📁] to display all available folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

## Repeat

### For DVD/VCD movie disc:

1. Touch bottom half of the screen to display menu on the screen.

2. Touch [⋯] to display the 2nd menu.
3. Touch [↺↻] repeatedly to select:

DVD

[↺↻] Repeat chapter: Play the current chapter repeatedly.

[↺↻] Repeat title: Play all chapters in the title repeatedly.

[↺↻] Repeat off: Play all in the all repeatedly.

[↺↻] Repeat off: Cancel repeat play.

VCD

[↺↻] Repeat single: Play the current single repeatedly.

[↺↻] Repeat all: Play all in the all repeatedly.

[↺↻] Repeat off: cancel repeat play.



## Playback Mode

### For CD/MP3/WMA files:

1. Touch anywhere except the upper left corner to display menu on the screen.
2. Touch [↔] repeatedly:
  - [↺] Repeat single: Play the current single repeatedly.
  - [↻] Repeat all: Play all in the all repeatedly.
  - [↺] Repeat off: Cancel repeat play.

### Repeat A-B

You can repeat a specific of video file (from A to B).

1. Touch the screen to display control menu, if necessary.
2. Touch [••••] to display the 2nd menu.
3. Touch [A-B] repeatedly to mark:
  - Repeat A-: the start of the section to repeat.
  - Repeat A-B: the end of the section to repeat.The selected section plays repeatedly.
4. To exit A-B repeat mode, touch A-B repeatedly, [Repeat A-B off] is displayed.

### Shuffle (Random) play

You can play audio tracks/files in random order.

1. Touch the screen to display control menu, if necessary.
2. Touch [••••] to display the 2nd menu, if necessary.
3. Touch [⌘] on the screen repeatedly to turn random play on or off.

### Select audio mode

When you play VCDs, you can select an audio mode (R/L/Stereo).

1. During play, touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [••••] to display the 2nd menu.
  - Touch [🔊] repeatedly until the audio mode is selected.

### Select subtitle language

For DVD or Divx discs that contain two or more subtitle languages.

1. During play, touch the screen to display menu on the screen, if necessary.
2. Touch [••••] to display the 2nd menu.
3. Touch [🗨️] repeatedly to select a language.
  - The selected language is displayed.

### Change viewing angle

Some DVDs contain alternate scenes, such as scenes recorded from different camera angles.

For these DVD disc, you can select from the available alternate scenes.

Press [Angle] repeatedly on the remote control., the viewing angle is changed.

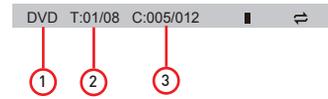
## Playback Mode

### Playback information

Touch the screen when playing back DVD and VCD discs and the playback information will be displayed on the top area of the TFT.

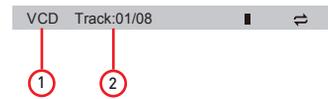
#### For DVD

1. Disc type.
2. DVD Title information. "01/08" indicates that this DVD has 8 titles and the title playing back now is the first title.
3. DVD Chapter information. "005/012" indicates that current title has 12 chapters and the chapter playing back now is the fifth chapter.



#### For VCD

1. Disc type.
2. VCD Track information. "01/08" indicates that this VCD has 8 tracks and the track playing back now is the first track.



#### Elapsed Time

1. Elapsed time of the current track.
2. Total time of the current track.



### Direct track entry

To select a track directly, touch the [ ] icon on screen control to display the direct entry menu. Enter the desired track using the on-screen number pad. Press [ OK ] to the selected track.



### Rotate pictures

1. When you view pictures, touch the screen to display menu on the screen, if necessary.
2. Touch [ ] to display the 2nd menu.
3. Touch [ ] repeatedly to rotate the picture.

### Zoom

You can zoom in pictures for a close view.

1. When you view pictures, touch the screen to display menu on the screen, if necessary.
2. Touch [ ] to display the 2nd menu.
3. Touch [ ] repeatedly to zoom in the picture.

### Video setup

Touch [ ] to access video setup mode, touch [ ] or [ ] to set the desired effect.

You may set the brightness, contrast, saturation, and hue of the video output from 1 to 20.



# Bluetooth Mode

You can make or receive phone calls with Bluetooth-enabled phones through the unit. You can also listen to music from a Bluetooth-enabled device.

## Pair the Bluetooth-enabled devices

To connect your Bluetooth device to the unit, you need to pair the device to the unit. Pairing needs only to be done once. You can pair up to five devices.

1. Turn on the Bluetooth function on the device.
2. Touch [  ] to search for Bluetooth device with the unit.
3. Start scanning on the Bluetooth device and select the unit "XXXXX"
4. Enter default password "0000".



Tip:

- The operational range between this unit and a Bluetooth device is approximately 5 meters .
- Before you connect a Bluetooth device to this unit, familiarize yourself with the Bluetooth capabilities of the device.
- Compatibility with all Bluetooth device is not guaranteed.
- Any obstacle between this unit and a Bluetooth device can reduce the operational range.
- Keep this unit away from any other electronic device that may cause interference.

## Disconnect Bluetooth device

To disconnect one device, touch [  ] .

Tip

- The device will also be disconnected when the device is moved beyond the operational range.
- If you want to reconnect the device to the unit, place it within the operational range.
- If you do not want to reconnect the device to the unit automatically, touch [  ], then set [ Auto connect ] to [ Off ]. For details, see the "Adjust Bluetooth Settings" section.

## Make a call

1. Select Bluetooth function in the home menu.
2. Pair the phone with the unit.
3. Search for phone number from the following list:

 [Phone Book]

 [Call Log]

[Missed calls]

[Received calls]

[Dialed calls]



Or touch the number pad directly, then touch [  ] to dial.



# Bluetooth Mode

## Incoming call

By default, all incoming calls are received automatically.

1. If there is an incoming call, the screen will appear "Incoming".
2. You may touch the screen to select [ hang up ] or [ Answer ].



### Tip

- You can select to receive calls manually by set [Auto answer] to [Off] statu

[ ]: Touch to mute the microphone audio from the unit.

Touch the icon again to restore the microphone audio from the unit.

- [ ]: Touch to access the direct dial screen.
- [ ]: Touch to transfer a call back to the mobile phone.



## Adjust Bluetooth settings

1. In Bluetooth menu, touch [ ].  
The option menu is displayed.

2. Touch on the selected option to change the setting.

- [Bluetooth]: To turn on or off "Bluetooth" function.
- [Auto connect]: To turn on or off "Auto connect" function.
- [Auto answer]: To turn on or off "Auto answer" function.
- [Pairing code]: To set paring code.
  
- [Phone book sync]: To synchronize phone book, touch [ Download ] on the sub-menu popped out.
- Phonebook sync may take several minutes to load on initial setup.



# Bluetooth Mode

## Bluetooth music mode

### A2DP

A2DP is short for Advanced Audio Distribution Profile. The mobile phones supporting this function can transmit stereo audio, whereas the ones not supporting this function can transmit mono audio only.



### AVRCP

AVRCP is short for Audio/Video Remote Control Profile. The mobile phones supporting this function can control the playback of a Bluetooth audio player.

In the mode of the music player working, if you want to make a phone call, you can press the number keys on the mobile phone. At the same time the music player will stop. The TFT screen will display "Calling", after the call received, the voice will be transferred to the unit. When the call ends, the screen will display music playing menu.

If there is an incoming phone call, the music player will stop, and the screen will display "Incoming". When the call ends, the screen will display music playing menu.

# Steering wheel control

## Programming SWC

1. Touch the upper left corner to display home menu.
2. Touch [ SWC ], the SWC menu will display.
3. Press each individual steering wheel control button for each corresponding function.
4. Once the steering wheel control buttons are selected, press save for programming the unit.
5. Touch [ Reset ] to reset the programming.



# Settings

## General

1. Touch [ General ] in the settings page.
2. Touch to highlight a setting.
3. Touch on the option to display/select an option.
4. Touch [ Setting ] or press the Menu button on the front panel to exit.

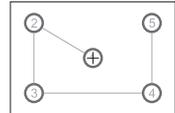
General settings	Options	Description
Language	NOT AVAILABLE	
Radio Area	Europe	Select one that matches your location.
	America	
	America4	
	East Europe	
	Australia	
	China	
Beep	On	Turn on the beep sound. Each time you press a button, the unit beeps.
	Off	Turn off the beep sound.
Wallpaper	Enter	You can select a wall paper.
Calibration	Yes	Calibrate the touch screen.
Gps path setup.		
RDS	On/Off	Turn on/off the RDS function.
Mic Setup	Internal/external	Available for M-OF7040 and M-OF7050

## Calibration

When the touch operation is not sensitive or valid, you should calibrate the touch screen through calibration setting function.

Adjust the response positions of the touch panel as followings:

1. Press the [ Calibration ] option on the setup menu to enter.
2. Touch [ Start ] to enter.
3. Aim at center of [ + ], follow the path as shown of the figure, after steps from 1 to 5, touch anywhere on the screen to save and exit from calibration. Or wait for 30 seconds to exit without making changes.



## Adjust time

1. Touch [ Time ].
2. Touch an option repeatedly to select.
3. Touch the upper left corner of the screen to exit.

Time settings	Options	Description
Date	Year/ Month/ Day	Touch [ ▲ ] or [ ▼ ] to set year, month and day.
Time Mode	12H/24H	Touch [12H] or [24H] to switch time mode.
Time	Touch [ ▲ ] or [ ▼ ] to set hour and minutes.	
Desk Timer	Touch to select [ Simulate Timer] or [ Numeral Timer ].	
Power Off Time	On/Off	Touch to select whether the time displays after power off.

## Settings

### Sound

1. Touch [Sound].
2. Touch an option repeatedly to select.

Sound settings	Options	Description
Sub Woofer Filter	Flat	Touch to select a crossover frequency.
	80Hz	
	120Hz	
	160Hz	
Loud	On/Off	When listening to music at low volumes, this feature will selectively boost certain bass and treble frequencies.
Reverse Mute	On/Off	Turn on/off the reverse sound.

### Video

1. Touch [Video].
2. Touch an option repeatedly to select.

Video settings	Options	Description
Backview Mirror	Normal	When you drive in reverse, the rear view displayed in normally.
	Mirror	When you drive in reverse, the rear view is displayed in mirror.
Brightness Setup	Night	Touch to select the desired brightness setting.
	Dark	
	Normal	
Parking	On / Off	Enable video / disable video.

#### Tip

- When in Park "On" mode, the screen will display WARNING information if you play the video. The warning screen will prevent the driver from watching videos for safety.

## Settings

### DVD

1. Touch [Disc].
2. Touch an option repeatedly to select.

DVD rating	Options	Description
Set password	Set password to restrict the play of discs. The default password is 0000.	
Rating level	Kid safe	Acceptable for children.
	G	Acceptable for general viewers.
	PG	Parental guidance suggested.
	PG-13	Unsuitable for children under age 13.
	PG-R	Recommend parents to restrict viewing for children under 17 .
	R	Restricted re parental guidance is advised for children under the age of 17 .
	NC-17	Unsuitable for children under age 17.
	Adult	Acceptable for adults only.
DVD Audio	Select DVD audio language. Options available depending on DVD disc.	
DVD Subtitle	Select DVD subtitle language. Options available depending on DVD disc.	
DVD Menu	Select DVD menu language. Options available depending on DVD disc.	
Aspect Ratio	Touch to select display ratio: [ 4:3 PS ], [ 4:3 LB ], or [ 16:9 ].	

### Volume

You can set different volume for different modes.

1. Touch [Volume].  
The volume setting sub-menu is displayed.
2. Touch on a source.
  - [Media]
  - [Radio]
  - [Bluetooth]
  - [AV-IN1]
  - [AV-IN2]
3. Touch [▲] or [▼] to assign value: 0 to 12.  
When switching to the source, the volume increases automatically.

### Reset

1. Touch [Reset].
2. Touch an option repeatedly to select.

Language settings	Description
Reset Factory	Touch to restore to default settings.
Reset Volume	
Reset Video	



## Informations

### Other devices

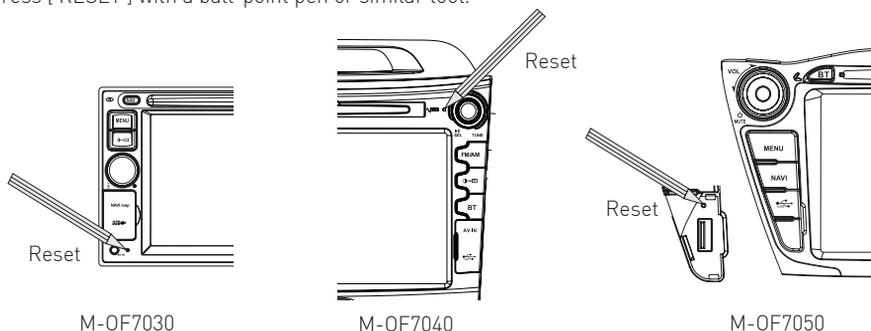
You can connect an external audio/video device to the unit.

1. Connect the external device with the supplied AV cable.
2. Touch the upper left corner to display the main menu.
3. Touch [AV1] front input or [AV2] rear input.

### Reset

When the unit hangs up, you can reset it.

Press [ RESET ] with a ball-point pen or similar tool.



Tip:

When the unit has been reset, all the settings will return to default settings.

### Replace a fuse

If there is no power, the fuse may be damaged and need to be replaced.

1. Take out the unit from dashpboard.
2. Check all electrical connections.
3. Buy a fuse that matches the amperage of the damaged fuse.
4. Replace the fuse while the units power is disconnected.

### Navigation (GPS)

1. Touch the upper left corner to display home menu.
2. Touch [Navigation], to start the navigation software.
3. For instructions on using of navigator, refer to the manufacturer's user manual.

Tip:

While Navigation is running, you can view the previously selected source by holding the [MENU] button. Press again and hold the [MENU] button to return to the navigation mode.

Where it was used the Bluetooth function you can display the navigation following the procedure described above.



# Specifications

## General

Reference Supply Voltage .....	12V(DC)
Operating Voltage Range.....	10.5 - 15.8V(DC)
Max Operating Current.....	15A
Maximum Output Power.....	40 W x 4 channels
RMS Power Output .....	25W x 4 channels
Grounding System .....	Car Battery Negative Pole
MOF7030: Dimensions(WXHXD).....	176.8x101.6x172mm
Weight(main unit).....	2.5kg
M-OF7040 Dimensions(WXHXD).....	257.4x201.4x196.1mm
Weight(main unit).....	2.65kg
M-OF7050 Dimensions(WXHXD).....	268.93x140.18x212.49mm
Weight(main unit).....	2.37kg

## FM

Signal Noise Ratio .....	≥55dB
Residual Noise Sensitivity (S/N=30dB) .....	18dB $\mu$ V
Station Seeking Level.....	20-28dB $\mu$ V
Distortion .....	≤1.0%
Stereo Separation (1KHz).....	≥25dB
Antenna Impedance.....	75 $\Omega$

## AM

Residual Noise Sensitivity (S/N=20dB) .....	30dB $\mu$ V
Selectivity ( $\pm$ 9KHz) .....	≥50dB

## M-OF7030 LCD

Screen size.....	6.2 inches
Display resolution .....	800X480dots
Contrast ratio.....	400

## M-OF7040 LCD

Screen size.....	8 inches
Display resolution.....	800X480dots
Contrast ratio.....	400

## M-OF7050LCD

Screen size.....	7 inches
Display resolution.....	800X480dots
Contrast ratio.....	500

## DVD Player

Signal / Noise Ratio .....	75dB
Dynamic Range.....	75dB
Distortion (line out).....	≤0.1%
Frequency Response ( $\pm$ 3dB) .....	20Hz-20KHz
Load Impedance .....	4 $\Omega$

## AUX IN

Distortion .....	≤0.5%
Frequency Response ( $\pm$ 3dB) .....	20Hz-20KHz
Audio Input Level .....	0.5Vrms

## Audio

Audio Output Impedance.....	10K
Audio Output Level .....	2Vrms(Max)

## Video

Normal Video Input Level (CVBS) .....	1.0 $\pm$ 0.2V
Video Input Impedance .....	75 $\Omega$
Video Output Impedance .....	75 $\Omega$
Video Output Level.....	1.0 $\pm$ 0.2V

## Environment

Operating Temperature.....	-10°C ~ +60°C
Storing Temperature .....	-20°C ~ +70°C

## Note:

When the unit is operated to extremes, such as with maximum power output for a long time, or the temperature is over 70°C, it will enter heat protection mode and the volume will be reduced automatically.

## Specifications

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### Supported formats:

- USB or memory file format: FAT16, FAT32
- Mp3 bit rate(data rate): 32-320 Kbps and variable bit rate
- WMA v9 or earlier
- Directory nesting up to a maximum of 8 levels
- Number of albums/folders: maximum 99
- Number of tracks/titles: maximum 999
- ID3 tag v2.0 or later
- File name in Unicode UTF8(maximum length:128 bytes)

### Unsupported formats:

- Empty albums:an empty album is an album that does not contain MP3/WMA files and is not shown in the display.
- Unsupported file formats are skipped.For example,Word documents(.doc) or Mp3 files with extension.dlf are ignored and not played.
- AAC,WMV,PCM audio files
- DRM protected WMA files(.wav,.m4a,.m4p,.mp4,.aac)
- WMA files in Lossless format

### Supported MP3 disc format:

- ISO9660,Joliet
- Maximum title number: 512(depending on file name length)
- Maximum album number: 255
- Supported sampling frequencies: 32kHz,44.1kHz,48kHz
- Supported bit-rates: 32-320Kbps and variable bit rates

### Supported video formats:

- DVD
- MP4
- Xvid

### Region code

According to DVD sales regions, the whole world is divided into six regions. A DVD disc can be played back only when its region code is compatible with that of the player in use.

Region 1: USA, Canada, East Pacific Ocean Islands;

Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;

Region 3: Taiwan of China, Hong Kong of China, South Korea, Thailand, Indonesia, South East Asia;

Region 4: Australia, New Zealand, Mid & south America, South Pacific Ocean Islands/Oceania;

Region 5: Russia, Mongolia, India, Middle Asia, East Europe, North Korea, North Africa, North West Asia;

Region 6: Chinese Mainland.

### Precautions when using discs

1. DO NOT use irregular shaped discs.

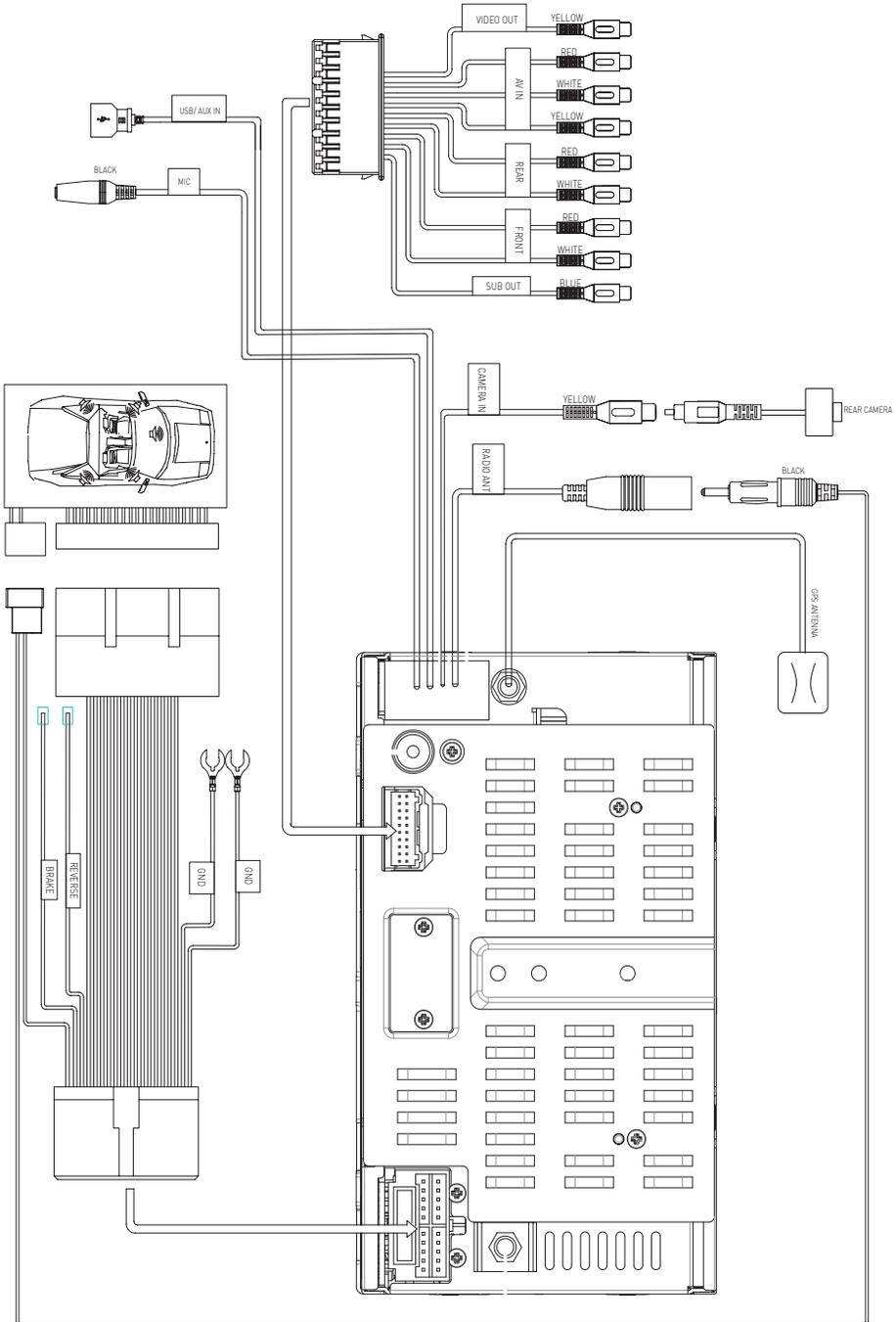
2. Disc cleaning:

Use a dry, soft cloth to wipe the disc from center to edge, only neutral detergent can be used.

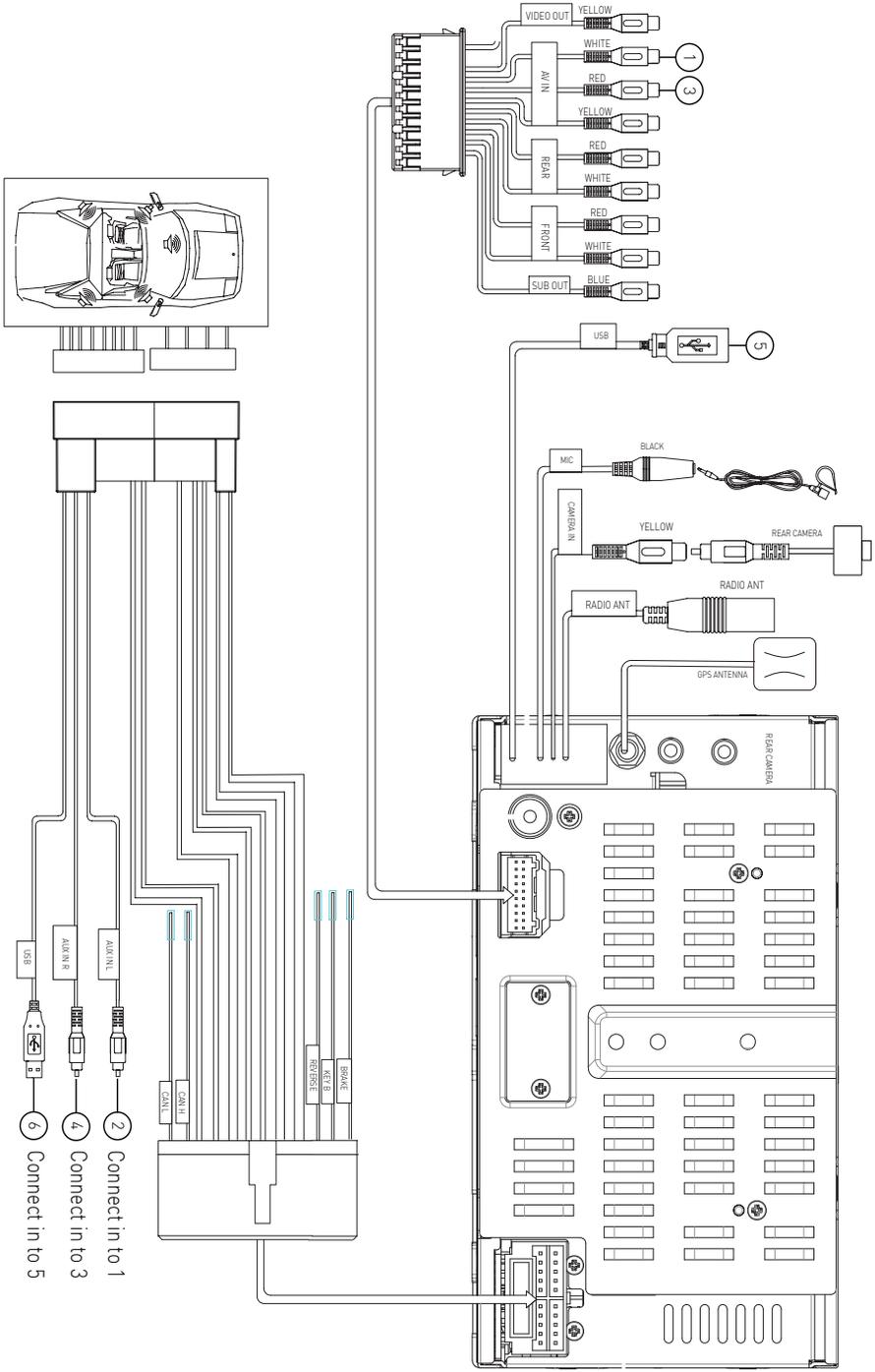
3. When playing a new disc:

New discs may have some rough spots around the inner and outer edges. If such a disc is used, remove these rough spots with a pencil or ball-point pen, etc.

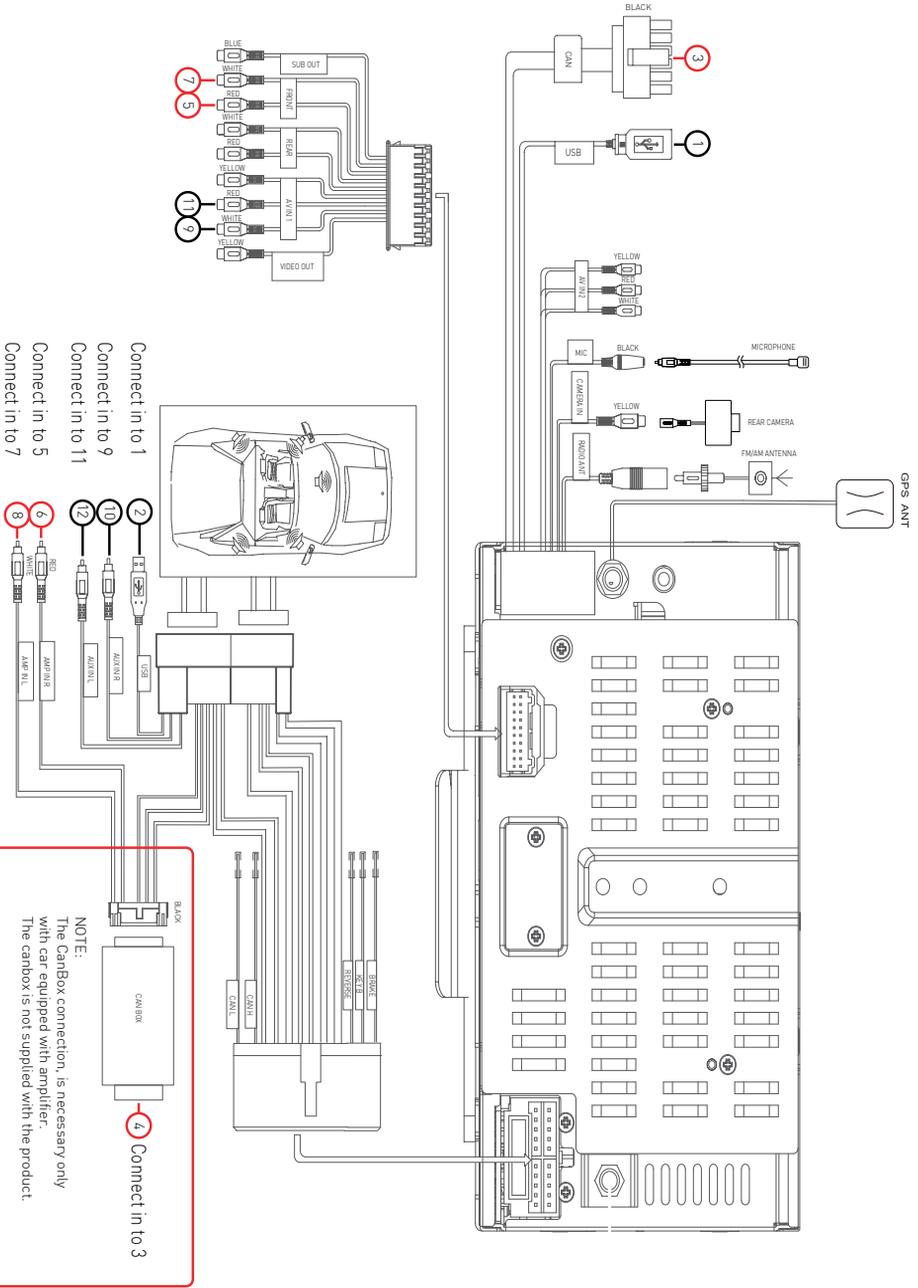
# M-OF7030 Wire connections



# M-OF7040 Wire connections



# M-OF7050 Wire connections





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**MACROM**

**ALDINET S.p.A**

Viale C. Colombo, 8 - 20090 Trezzano s/N (MI) - Italy  
Tel. +39 02 484781

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P/N:

