MULTIMEDIA NAVIGATION RECEIVER

USER MANUAL
M-DL4000

MACROM

Contents

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.
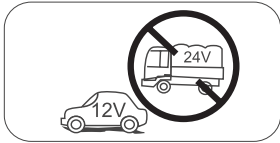
Never install this unit where the operation & condition for safe driving is impaired.
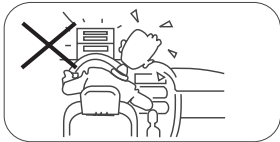
Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except for using rear view video camera.

Never expose this unit, amplifier, and speakers to moisture or water to prevent electric sparks or fire.
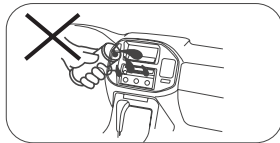
Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.
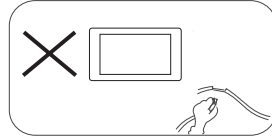
Please contact your nearest dealer if one of the following symptoms is experienced:
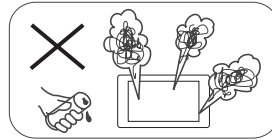
(a). Water or other objects enters the unit.
(b). There is smoke.
(c). Peculiar smell.

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.
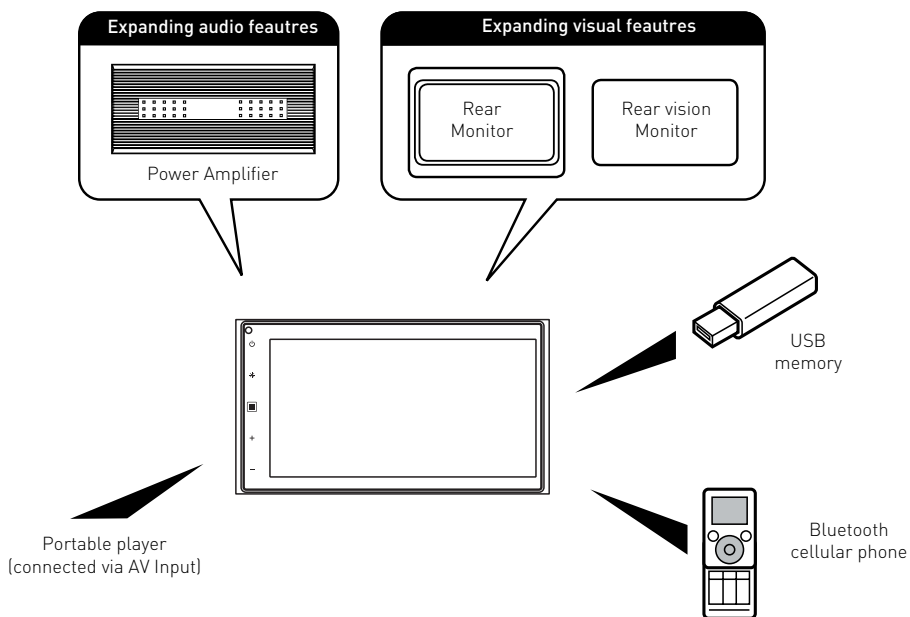6. Do not impact the LCD monitor which could cause damage.
7. To prevent damage to the screen, avoid touching it with sharp objects.
8. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used.
   However, some illustrations 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

Expanding audio feautres

Power Amplifier

Expanding visual feautres

Rear Monitor

Rear vision Monitor

USB memory

Portable player (connected via AV Input)

Bluetooth cellular phone

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

Product overview

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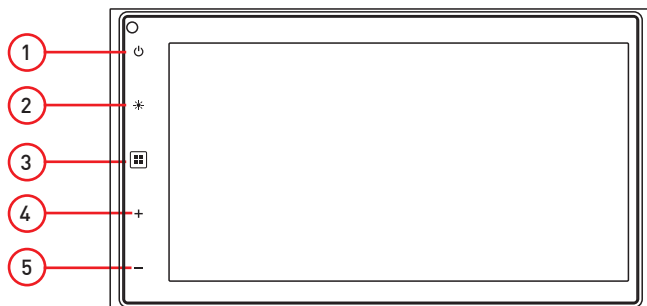
Notice:
The graphic in this manual is for reference only, and may be different from the actual unit.

1. [⏻] Button
   Turn the unit on.
   Press and hold to turn the unit OFF
2. [☀] Button to adjust the brightness of screen.
3. [▦] Menu Button
   Press to display the main menu
4. [+] Button
   Increase the volume level.
5. [—] Button
   Decrease the volume level.

Remote control

1. Power & Mute On/Off
2. Fast forward / Station up
3. -
4. Previous / Seek down
5. Play / Pause
6. Stop
7. Fast backward / Station down
8. Preset station (1)
9. Repeat play / Preset station (2)
10. Preset station (5)
11. Preset station (6)
12. Show main menu.
13. Preset station (3)
14. Preset station (4)
15. -
16. Adjust volume level.
17. Next / Seek up
18. Scan play / Preset scan
    Auto memory store (long press)
19. Select tuner band.
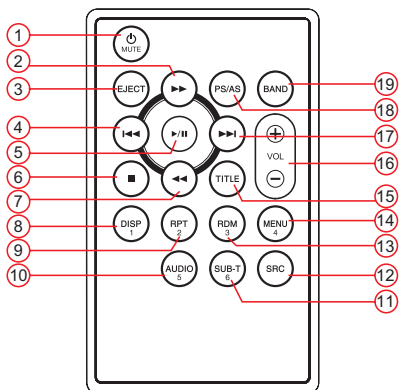
Basic Operations

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.

Power On / Off
Press the [⏻] button on the front panel to turn the unit ON. The buttons on the front panel light up and the current mode status appears on LCD.
Press and hold the button to turn OFF the unit.

Volume Adjustment
To increase or decrease the volume level, press the [+] or [−] button on the front panel. The volume range is from "0" to "40". The TFT screen displays the volume level for 3 seconds.

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 [▦] button on the front panel to display the playing source menu.
1. Touch [<] oppure [>]to view the previous or next page of playing sources.
2. Playing source icon: touch to access corresponding work mode.
3. Time status.
4. Bluetooth status.
5. Date.

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 [📊] icon in the user interface and the EQ setup interface will display on the screen.
2. Select EQ mode
   Touch the desired EQ selection: [Optional] / [Classic] / [Rock] / [Jazz] / [Techno] / [Pop], and the EQ mode will change.
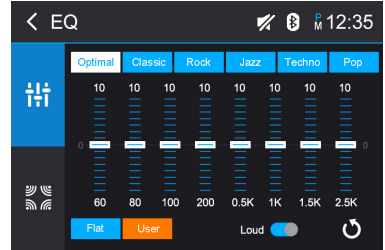
Adjust EQ Parameters

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

[User]: Set the desired audio effect.
[Flat]:   Select the original audio effect.
[Loud: On/Off]: When listening to music at low volumes, this featurewill selectively boost certain bass and treble frequencies.

Adjust FAD BAL

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 [📶] icon in the user interface and the EQ setup interface will display on the screen.
2. Adjust subwoofer volume
   Touch [▲] / [▼] or drag [🎚] to adjust subwoofer volume from -8 to +8.
3. Adjust fader / balance value
   Touch [▲] / [▼] / [◀] / [▶] to adjust fader / balance value from -14 to +14.
   [▲]: Front speaker
   [▼]: Rear speaker
   [◀]: Left speaker
   [▶]: Right speaker
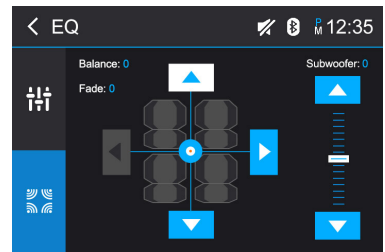
Notes:
1. The parameters of the EQ modes has been preset and you can not change them besides 'User'.
2. The EQ mode will change to 'User' automatically when you adjust the frequency value under the modes besides 'User'.
3. The value of Sub is independent of EQ mode and can be adjusted separately.

Radio Mode

Tuner TFT Display

1. Current radio band indicator.
2. Return to home menu.
3. Current station frequency.
4. Preset stations list.
5. Shortcut.
6. Band switch.
7. Seek backward
   Tune backward(long press)
8. Enter frequency directly.
9. Seek forward
   Tune forward(long press)
10. Opening the options menu.

11. Auto searching.
12. Enter EQ menu.
13. To turn On or Off "Clock Time"
14. Choose local or distant seeking mode.
15. To turn On or Off "TA" function.
16. To show PTY list.
17. To turn On or Off "AF" function.
18. Closing the options menu.
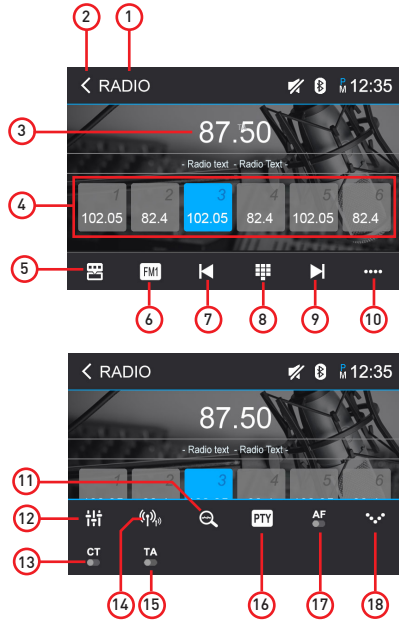
Select Radio as Playing Source
Open the Source Menu and then touch [Radio].

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

Tune the radio
Auto Tunig
During auto tuning, the frequency will be changed in seek mode.
Touch the [◀◀] / [▶▶] icon on the user interface to tune in a higher / lower station.
Note: When a station is received, searching stops and the station is played.

Manual Tuning
Method 1:
Touch and hold [◀◀] / [▶▶] icon on the user interface more than 1 second to changed in steps higher / lower station. Repeat the operation to change step by step.

Method 2:
1. Touch the numeric keypad icon [▦].
   Numeric keyboard is displayed, touch number to input frequency.
2. Touch [⌫] 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.
Search Stations Automatically
Touch [🔍] to search station and store 6 strongest stations in current band automatically.

Manual Store
1. Tune to a station.
2. Touch one of the channels P1 to P6 to save the select band.

Recalling a Station
1. Select a band.
2. Touch an on-screen preset button (P1 to P6) to select the corresponding stored station.

Local Seeking
Touch the [📡] icon and choose the Radio Local or Distance.
When the [Distance] icon turns bright, only stations with a strong signal strength will be detected. Default is "Distance".

EQ Selection
Press the [📊] icon and enter the EQ setup.

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.

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.

CT (Clock Time)
Some stations broadcast the time and date within the encoded RDS signal. The clock time is automatically adjusted when 'CT' is set to 'ON'.

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

Touch Screen Controls
The touch key areas for image/video playback are outlined below:
- A: Return to the main menu
- B: Disc type
- C: Play the video and display playback information
- D: Time display
- E: Display onscreen control menu

```
┌───┬──┬─────────────┬────┐
│ A ┊ B┊     C       │ D  │
├───┴──┴─────────────┴────┤
│                         │
│           E             │
└─────────────────────────┘
```
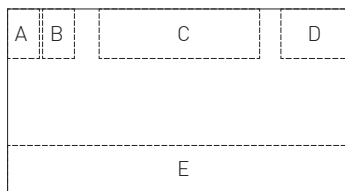
Controlling Playback
To access the on-screen controls, touch the screen except upper left corner, and touch again to cancel display. Touch [••••] to view all function icons.

Connect a USB device
1. Connect an USB device into the rear USB connector.
   Play starts automatically.

Remove a USB device
1. Select another source in the main menu.
2. Remove the USB device.

Play/Pause
1. Once USB device is inserted, play starts automatically.
   For 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.

Audio playback from USB
The principles of audio playback (MP3/WMA) from data carriers are identical for all sources. Select the desired source via the main menu.
The device changes to the desired source and the playback starts.

If the playback does not start with the audio playback,
touch the [☰] icon to change to the folder/file list.
Touch the [🖿] icon to display all the folders and files of the data carrier.
- Or -
Press the [♪] icon to display all the audio files of the data carrier.
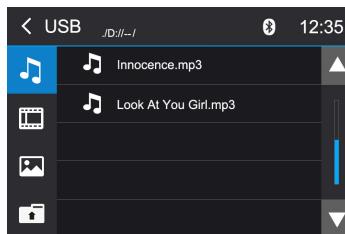
Playback Mode

Audio playback from USB

After starting a title, the playback menu is displayed.
1. Shortcut.
2. Display the folder/file list.
3. Short press: Previous track.
   Long press: Fast backward.
4. Pause playback and continue playback.
5. Short press: Next track.
   Long press: Fast forward.
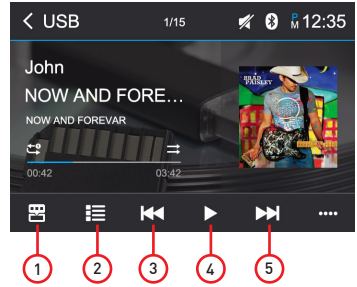
Tap on [••••] to display additional operating options of the playback menu.

6. Display equalizer.
7. Start and end REPEAT function.
   Repeat mode:
   Repeat One ☐ Repeat Folder ☐ Repeat All ☐ Repeat Off
8. Shuffle playback.
9. Display keypad to directly enter the number of the desired title.
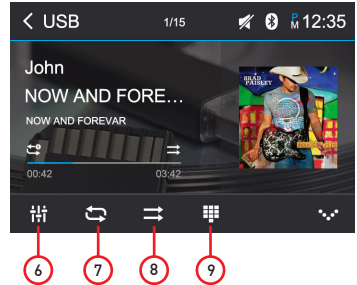
Video playback from USB

Select the desired source via the main menu.
The device changes to the desired source and the playback starts.
If the playback does not start with the video playback, touch the [☰] icon to change to the folder/file list.
Touch the [⌂] icon to display all the folders and files of the data carrier.
- Or -
Touch the [☐] icon to display all the audio files of the data carrier.
If you selected a movie, the playback is started. During the movie playback, the playback menu is hidden.

Briefly touch the screen once to display the playback menu again.
The playback menu is shown.
1. Shortcut.
2. Display the folder/file list.
3. Short press: Previous movie.
   Long press: Fast backward.
4. Pause playback and continue playback.
5. Short press: Next movie.
   Long press: Fast forward.
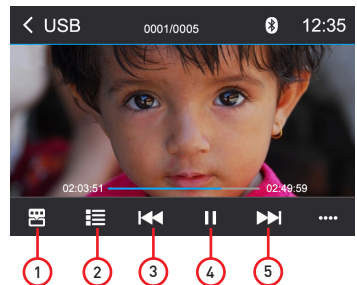
Playback Mode

Video playback from USB

Tap on [••••] to display additional operating options of the playback menu.

6. Select playback language.
7. Display equalizer.
8. Start and end REPEAT function.
   Repeat mode:
   Repeat One → Repeat Folder → Repeat All → Repeat Off
9. Adjust the brightness, contrast, and saturation.
10. Display keypad to directly enter the number of the desired title.
11. Select playback audio channel.
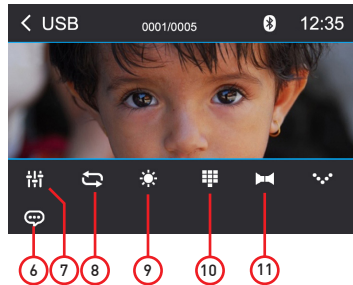
Image playback from USB

Select the desired source via the main menu.

The device changes to the desired source and the playback starts.

If the playback does not start with the image playback, touch the [▤] icon to change to the folder/ file list.

Touch the [▣] icon to display all the folders and files of the data carrier.

- Or -

Touch the [▨] icon to display all the images of the data carrier.

If you selected a image, the playback is started. During the playback, the playback menu is hidden. Briefly touch the screen once to display the playback menu again.

The playback menu is shown.

1. Shortcut.
2. Display the folder/file list.
3. Previous image.
4. Pause playback and continue playback.
5. Next image.
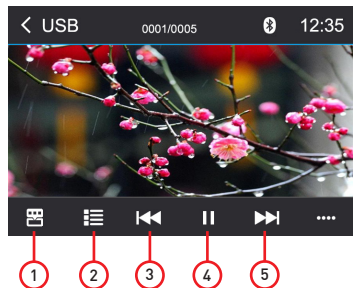
Tap on [••••] to display additional operating options of the playback menu.

6. Zoom in/out.
7. Rotate images .
8. Adjust the brightness, contrast, and saturation.
9. Display keypad to directly enter the number of the desired title.
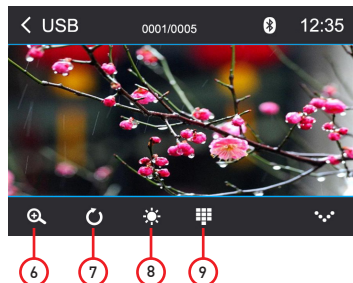
Bluetooth Mode

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 "M-DL4000"
4. Enter default password "0000".
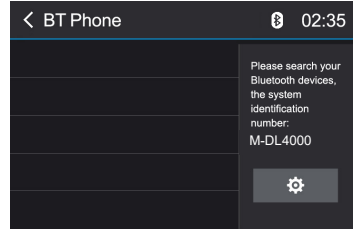
Tip:
- The operational range between this unit and a Bluetooth device is approximately 5 meters .
- Before you connect a Bluetooth device to this unit, familiarize yourself with the Bluetooth capabilities of the device.
- Compatibility with all Bluetooth device is not guaranteed.
- Any obstacle between 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 [🔌]. After pressed, the unit will display a screen listing paired devices. Pressing the Green "Plug" icon will reconnect a previously paired phone to the BT radio. Pressing the "Wastebin" icon next to a device's name will unpair the phone from the unit.
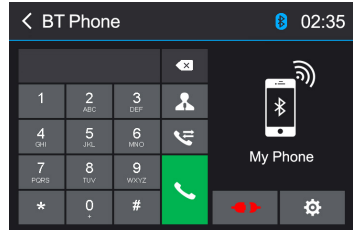
NOTES
- The device will be disconnected when the device is moved beyond the operational range.
- If you want to reconnect the device to the unit, place it within the operational range.
- If you do not want to reconnect the device to the unit automatically, touch [⚙], then set [Auto Connect] to [OFF].

Make a Call

1. Select Bluetooth function in the home menu.
2. On Option page, see the "Phone Synch" item, and press "Synch" to synchronize the phone book with the BT. If you have many contacts, this may take up to 3-4 minutes.
3. Search for phone number from the following list:
   [Phone Book]
   [Call History]
   [Missed calls]
   [Received calls]
   [Dialed calls]
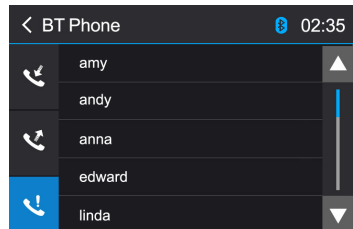
Bluetooth Mode

Receive a Call

By default, all incoming calls are received automaticaly.
1. If there is an incoming call, the screen will display incoming call number.
2. Touch the screen to select [📞] or [📞].
   Speak into the Bluetooth microphone.
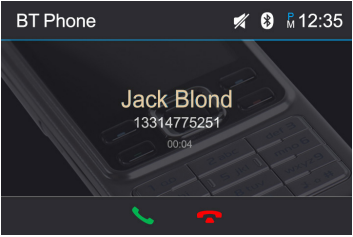
NOTE:
• You can select to receive calls manually by setting [Auto Answer] to [OFF]

Adjust Bluetooth Settings

In the options menu for Bluetooth, you can make the basic settings for the Bluetooth mode.

Touch the [⚙] icon.

The options menu is displayed.

    Bluetooth:
    To turn the "Bluetooth" function ON or OFF.
    Auto Connect:
    To turn the "Auto Connect" function ON or OFF.
    Auto Answer:
    To turn the "Auto Answer" function ON or OFF.
    Pin Code:
    To set the paring code.
    Phone Synch:
    To synchronize phone book, touch [OK] on the sub-menu
    Phonebook Synch may take seve ral minute s to load on initial setup.
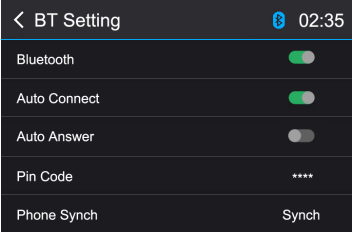
Bluetooth Music Function

Bluetooth provides an Advanced Audio Distribution Profile (A2DP) profile for streaming music from a mobile phone, sometimes referred to as a MP3 player. The unit allows you to play back audio files from your mobile phoneusing a Bluetooth connection.
1. Shortcut.
2. Previous track.
3. Pause playback and continue playback.
4. Disconnect connection with current device.
5. Next track.
6. Display equalizer.
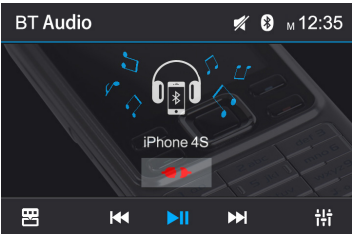
NOTE:
When playing music via Bluetooth, if you want to make a call, you can press the number buttons on your phone. From that moment on, the music player stops. The TFT screen will display "Connection" during the call, audio will be transferred to the unit. At the end of the call, the screen will display the music playback menu.
If there is an incoming call, the music player stops, and the screen will show "Incoming Call". At the end of the call, the screen will display the music playback menu.

Settings

General Settings

1. Touch [⚙], if necessary.
2. Touch to highlight a setting to display/select an option.

General Settings	Options	Description
Radio Region	USA/Asia/Japan/Europe/Europe LW/0irt	Select one that matches your location.
Radio Range	Distance	Select Local to receive only stations with extremely strong signal.
	Local	
Beep	On	Turn-ON the beep sound. Each time you press a button, the unit beeps.
	Off	Turn-OFF the beep sound.
Calibration	Start	Calibrate the touch screen.
Shortcut	Set the shortcut.	
SWC	Enter to SWC interface	
Load Factory	Restore to default settings.	
UI Color	Change the color of the UI.	

Audio Settings

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

Audio Settings	Options	Description
Subwoofer	On	Turn On the subwoofer.
	Off	Turn Off the subwoofer
Subwoofer Filter	80Hz	Select a crossover frequency to set a cut-off frequency for the subwoofer's LPF (low-pass filter).
	120Hz	
	160Hz	
Loudness	On	Turn On the loudness
	Off	Turn Off the loudness
Loudness Center	400Hz	Select loudness center frequency.
	800Hz	
	2.4KHz	

Time Settings

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

Time Settings	Options	Description
Date	Y/M/D	Touch [▲] or [▼] to set year, month and day.
Clock Format		Touch [24Hr] or [12Hr] to switch clock mode.
Time	H/M	Touch [▲] or [▼] to set hour and minutes.

Note:
When date/time is set, touch [**Save**] to confirm or [**Cancel**] to exit.

Settings

Language Settings

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

Language Settings	Description
OSD Language	Select on-screen display language.

Video Settings

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

Video Settings	Options	Description
Aspect Ratio	Full	Adjust aspect ratio.
	Normal	
Parking	On	Disable video when driving.
	Off	Enable video when driving.
Adjust	Enter	Touch [+] or [-] to adjust brightness, contrast and saturation.
Version Info	Enter	Display the current version information

Adjust Volume Settings

You can set different volumes for different sources.

1. Touch the [📶] icon to display and access the volume setting sub-menu
2. Touch the source to be adjusted.
3. The volume range is from "00" to "06"
   When switching to the source, the volume increases automatically.
4. Touch blank area to close the sub-menu and touch the upper left corner icon [‹] to exit setting menu.

Settings

Calibration

When the touch operation is not sensitive or valid, you should calibrate the touch screen using the calibration setting function. Adjust the response positions of the touch panel as followings:

1. Touch [Start] to enter.
2. Touch [Cancel] to exit.
3. Press and hold the center of [+] for 2 seconds, the [+] will move automatically.
4. Aim at center of [+], follow the path as shown in the figure. Once steps 1-5 are complete, touch [OK] to exit calibrating mode.
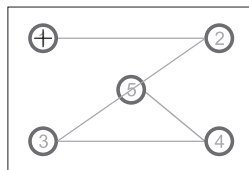
SWC Programing

The following controls are available for most vehicles:

1	2	3	4	5	6
Volume +	Volume -	Mute	Next	Prev	Play
7	8	9	10	11	12
Home	Preset +	Preset -	Band	Source	Answer

Touch [Enter], the SWC menu will display.
Up to 12 steering wheel control functions can be programmed via the built-in SWC interface. Not all functions may be supported for each vehicle.

1. Before programming, you need to clear / reset the SWC interface by pressing the [Reset] icon.
2. Define the functions of the steering wheel controls by pressing a number 1 ~ 12, then press a function between the available ones. A check mark corresponding to the number and function will be displayed. Repeat the confusion until completing all the steering wheel control functions.

Note:
Define only the functions available on the steering wheel.

3. To complete the programming, tap the [Program] icon. It will then be required to push each button on the OE wheel (for 1 second), so that the unit can store the corresponding function.
4. SWC learning / programming is now complete.
5. Touch [<] to exit.
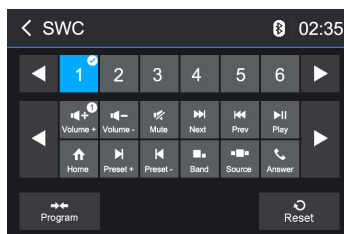
Other Modes

Audio video input

Audio video

A/V input is used for playback of audio/video from an external device connected through RCA connectors located on the back of the unit.

1. Connect the external device with the supplied A/V cable.
2. Touch the upper left corner to display the main menu.
3. Touch [AV] to access external device.

Notes:
1. Audio/Video device must be connected to the unit using an audio/video adapter cable that is available separately.
2. Video will only play when the vehicle parking brake is engaged. The parking brake must be connected for this feature to operate.

Replace a Fuse

If there is no power, the fuse may be damaged and need to be replaced.
1. Take out the unit from dashbpard.
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.

Specifications

General
 Reference Supply Voltage .... 12V(DC)
 Operating Voltage Range .... 10.5 - 15.8V(DC)
 Max Operating Current.. 15A
 Grounding System .... Car Battery Negative Pole
 Dimensions(WXHXD) 178.5X101.5X166mm
 Weight(main unit) 1.8kg
FM
 Signal Noise Ratio ....≥55dB
 Residual Noise Sensitivity (S/N=30dB) 18dBμV
 Frequency Response (±3dB) .... 20Hz~12.5KHz
 Station Seeking Level ....20~28dBμV
 Distortion ....≤1.0%
 Stereo Separation (1KHz)...≥25dB
 Antenna Impedance...75Ω
AM
 Residual Noise Sensitivity (S/N=20dB) 35dBμV
 Selectivity (±9KHz) ....≥50dB
LCD
 Screen size.. 6.2 inches(16:9)
 Display resolution.. 800X480dots
Power output
 Distortion (line out)... ≤0.1%
 Frequency Response (±3dB) .... 20Hz~20KHz
 Maximum Output Power .... 4×50W
 Load Impedance 4Ω
AUX IN
 Distortion .... ≤0.5%
 Frequency Response (±3dB) .... 20Hz~20KHz
 Audio Input Level 0.5Vrms
Audio
 Audio Output Impedance...100Ω
 Audio Output Level ....3Vrms(Max)
Video
 Normal Video Input Level (CVBS) ....1.0±0.2V
 Video Input Impedance...75Ω
 Video Output Impedance 75Ω
 Video Output Level...1.0±0.2V
Environment
 Operating Temperature..-20°C ~ +60°C
 Storing Temperature..-30°C ~ +80°C
 Operating Humidity.. 45%~80%RH
 Storing Humidity.. 60%~90%RH

Notice:
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, the volume will be reduced automatically. This is normal.

Specifications

Supported Formats:
- USB or memory file format: FAT16,FAT32
- Mp3 bit rate(date rate): 32-320 Kbps and variable bit rate
- 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 Formates:
- Empty albums:an empty album is an album that does not contain MP3 files,and is not be 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

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 rate
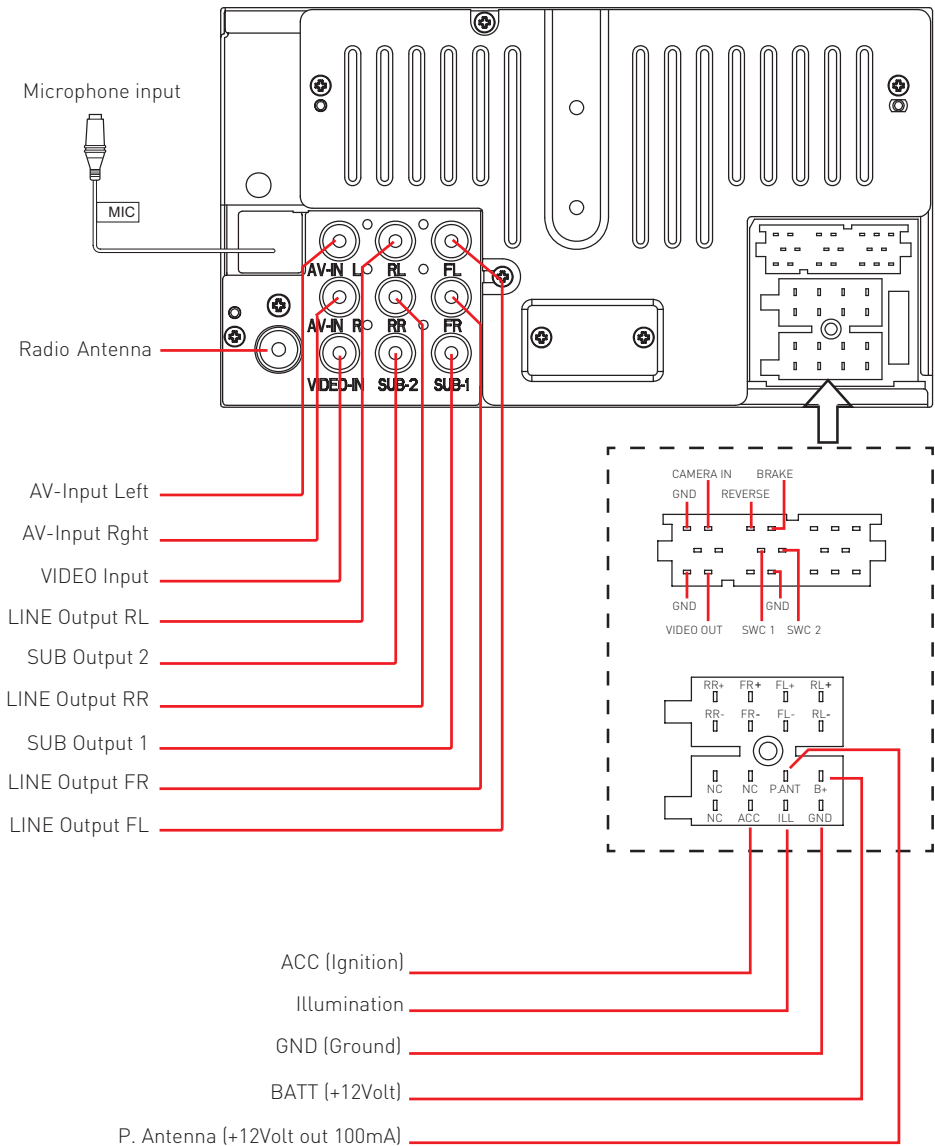
Supported Video Formats:
- MPEG
- RMVB

Troubleshooting

What appears to be trouble is not always serious. Please check the following points before calling a service center.

Problem	Cause	Corrective action
	General	
Unit can not power on	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
	Illegal operation	Reset the unit.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Pirated disc is in use.	Use original disc.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Unit resets itself when engine is off	Incorrect connection between ACC and BATT.	Check wiring and correct.
	TFT monitor	
Warning information is shown at all times	Parking break wiring is not correct.	Check wiring and correct.
Flashing image or interference appears on screen	The color system of video does not match the monitor.	Adjust the color system of the video playing back or the monitor in use.
	Pirated disc is in use.	Use original disc.
	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.
	Disc playback	
Cannot insert disc	A disc is already inside the unit.	Eject current disc and insert new one.
Disc does not play back	Disc is warped or scratched.	Use disc in good condition.
	Disc is dirty or wet.	Clean disc with soft cloth.
	Incompatible disc is used.	Use compatible disc.
	Disc is inserted upside down.	Insert disc with label side up.
	Disc region code is not compatible with unit.	Use disc with proper region code.
PBC cannot be used during VCD playback	PBC is not available on the disc.	Use disc with PBC available.
Repeat or search function is invalid during VCD playback	PBC is on.	Turn PBC off.

Wire Connections

Microphone input

MIC

Radio Antenna

AV-IN L   RL   FL

AV-IN R   RR   FR

VIDEO-IN   SUB-2   SUB-1

AV-Input Left

AV-Input Rght

VIDEO Input

LINE Output RL

SUB Output 2

LINE Output RR

SUB Output 1

LINE Output FR

LINE Output FL

CAMERA IN   BRAKE
GND   REVERSE

GND   GND
VIDEO OUT   SWC 1   SWC 2

RR+   FR+   FL+   RL+
RR-   FR-   FL-   RL-

NC   NC   P.ANT   B+
NC   ACC   ILL   GND

ACC (Ignition)

Illumination

GND (Ground)

BATT (+12Volt)

P. Antenna (+12Volt out 100mA)

Declaration of Conformity

Declaration of Conformity.

There are no restrictions of use.

The manufacturer Aldinet S.p.A declares that the type of radio equipment-Multimedia Navigation Receiver, model M-DL4000, brand Macrom - complies with the 2014/53 / EU Directive.

The full text of the EU Declaration of conformity is available at the following internet address: www.macrom.it

Aldinet S.p.A.
Viale Colombo, 8 - 20090 Trezzano S/N (MI) Italy