Pioneer

DIGITAL MEDIA RECEIVER
RÉCEPTEUR NUMÉRIQUE MULTIMÉDIA
RICEVITORE MULTIMEDIALE DIGITALE
RECEPTOR DE MEDIOS DIGITALES
DIGITALER MEDIA RECEIVER
DIGITALE MEDIA-RECEIVER

MVH-330DAB
MVH-130DAB

Operation Manual
Mode d'emploi
Manuale d'istruzioni
Manual de instrucciones
Bedienungsanleitung
Bedieningshandleiding

Bluetooth®

English

Français

Italiano

Español

Deutsch

Nederlands
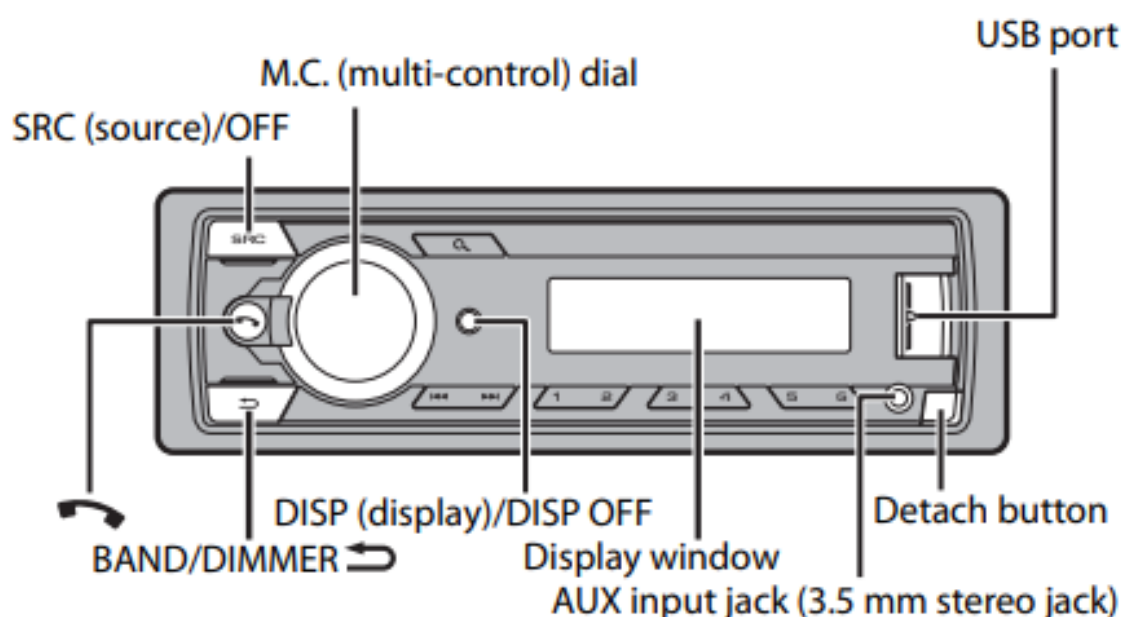
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About this manual:

- In the following instructions, a USB memory or USB audio player are referred to as "USB device".

Getting Started

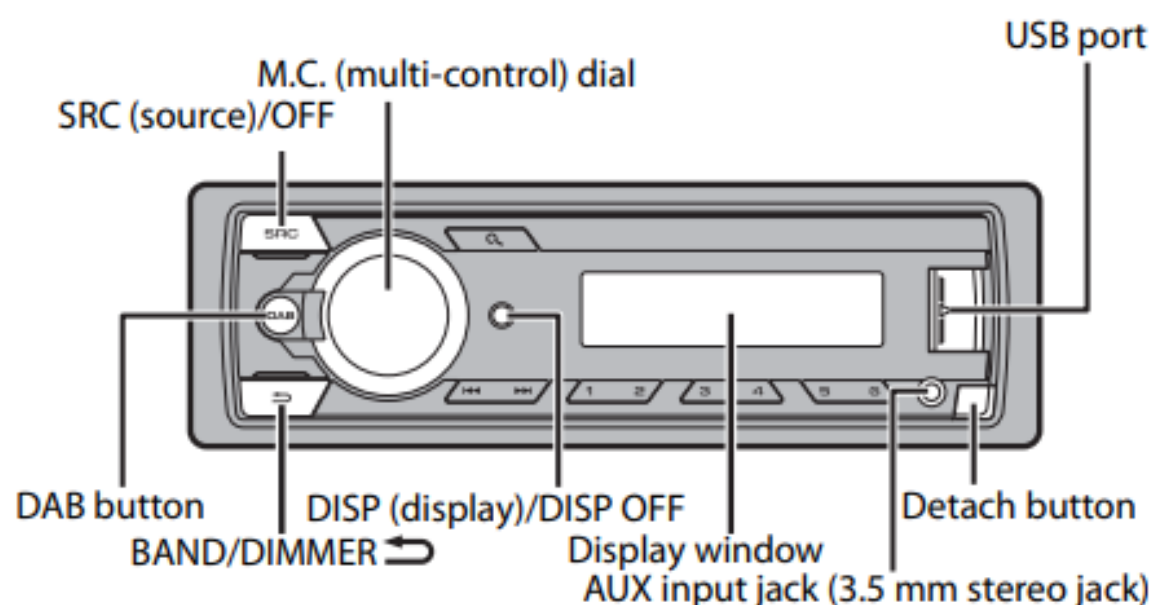## Basic operation

MVH-330DAB

SRC (source)/OFF   M.C. (multi-control) dial   USB port

DISP (display)/DISP OFF   Detach button

BAND/DIMMER   Display window

AUX input jack (3.5 mm stereo jack)

MVH-130DAB

SRC (source)/OFF   M.C. (multi-control) dial   USB port

DAB button   DISP (display)/DISP OFF   Detach button

BAND/DIMMER   Display window

AUX input jack (3.5 mm stereo jack)

Frequently used operations

The available buttons vary depending on the unit.

| Purpose	Operation
Turn on the power*	Press **SRC/OFF** to turn on the power. Press and hold **SRC/OFF** to turn off the power.
Adjust the volume	Turn the **M.C.** dial.
Select a source	Press **SRC/OFF** repeatedly.
Change the display information	Press **DISP/DISP OFF** repeatedly. Press and hold **DISP/DISP OFF** to turn off the display information and key illumination.
Return to the previous display/list	Press **BAND/DIMMER** ⮌.
Return to the normal display from the menu	Press and hold **BAND/DIMMER** ⮌.
Answering a call	Press any button.
Ending a call	Press ☎.

* When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

Display indication

| Indication	Description
⋗	Appears when a lower tier of the menu or folder exists.
🔍	Appears when the 🔍 button is pressed.
⤨	Appears when random play is set (except when AOA is used).
⇄	Appears when repeat play is set (except when AOA is used).
ⓑ	Appears when a Bluetooth connection is made (page 11) (only for MVH-330DAB).

Detaching the front panel

Detach the front panel to prevent theft. Remove any cables and devices attached to the front panel and turn off the unit before detaching it.

Detach   **Attach**
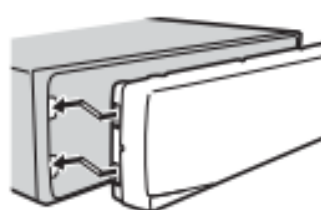
⊙ Important

• Avoid subjecting the front panel to excessive shock.
• Keep the front panel out of direct sunlight and high temperatures.
• Always store the detached front panel in a protective case or bag.

Setup menu

When you turn the ignition switch to ON after installation, [SETUP:YES] appears in the display.

1 Press the M.C. dial.

The setup menu disappears after 30 seconds of no operation. If you prefer not to set at this time, turn the **M.C.** dial to select [NO], then press to confirm.

2 Turn the M.C. dial to select the options, then press to confirm.

To proceed to the next menu option, you need to confirm your selection.

Menu Item	Description
LANG [ENG](English), [FRA](French), [DEU](German)	Select the language to display.
CLOCK	Set the clock. 1 Turn the **M.C.** dial to adjust the hour, then press to confirm. The indicator moves to the minute setting automatically. 2 Turn the **M.C.** dial to adjust the minute, then press to confirm.
FM STEP [100KHZ], [50KHZ]	Select the FM tuning step from 100 kHz or 50 kHz.
DAB ANT [ON]	Supply power to a DAB antenna. Select this when using the optional DAB antenna (CA-AN-DAB.001, sold separately) with the unit.
[OFF]	No power is supplied to a DAB antenna. Select this when using a passive antenna with no booster.

3 [QUIT :YES] appears when all the settings have been made.

To return to the first item of the setup menu, turn the **M.C.** dial to select [QUIT :NO], then press to confirm.

4 Press the M.C. dial to confirm the settings.

[UPDATING] appears in the display and the service list will be updated.

NOTES
- You can cancel the menu setting by pressing **SRC/OFF**.
- These settings can be made at any time from the SYSTEM settings (page 18) and INITIAL settings (page 6).

Canceling the demonstration display (DEMO OFF)

1 Press the M.C. dial to display the main menu.

2 Turn the M.C. dial to select [SYSTEM], then press to confirm.

3 Turn the M.C. dial to select [DEMO OFF], then press to confirm.

4 Turn the M.C. dial to select [YES], then press to confirm.

INITIAL settings

1 Press and hold SRC/OFF until the unit turns off.

2 Press the M.C. dial to display the main menu.

3 Turn the M.C. dial to select [INITIAL], then press to confirm.

4 Turn the M.C. dial to select an option, then press to confirm.

Menu Item	Description
FM [100], [50]	Select the FM tuning step from 100 kHz or 50 kHz.
DIMMER [SYNC CLK], [MANUAL]	Change the display brightness. Select [SYNC CLK] to set the duration of activating dimmer. Select [MANUAL] to turn on/off dimmer by a press and hold of **BAND/DIMMER** ⮌ button.
RESET [YES], [NO]	Select [YES] to initialize the unit settings. The unit will be restarted automatically. (Some of the settings may be retained even after resetting the unit.)

Menu Item	Description
DAB ANT [ON]	Supply power to a DAB antenna. Select this when using the optional DAB antenna (CA-AN-DAB.001, sold separately) with the unit.
[OFF]	No power is supplied to a DAB antenna. Select this when using a passive antenna with no booster.

Digital Audio Broadcasting (DAB)

To receive DAB signals, connect a DAB antenna (CA-AN-DAB.001) (sold separately) to the unit.

Seeking a service component/station

1 Press **SRC/OFF** to select [DAB].

2 Press **BAND/DIMMER/** ⤺ to select the band from [D1], [D2] or [D3].

3 Press ◄◄/►►I to select a service component/station.

NOTE
Press and hold ◄◄/►►I then release to seek an available service. Scanning stops when the unit receives a service.

To select service component/station from service lists

1 During DAB reception, press 🔍.
Displays the list of all service components/stations.

2 Select a service component/station from the list you selected, then press the M.C. dial to confirm.

NOTE
You can update the service list by pressing and holding 🔍.

Presetting service components/stations

To store service components/stations

1 While receiving the service component/station you want to store, press and hold one of the number buttons (1/ ∧ to 6/ ⇄) until it stops flashing.

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To retrieve stored service components/stations

1 Select the band, then press a number button (1/∧ to 6/⇆).

Radio

The tuner frequencies on this unit are allocated for use in Western Europe, Asia, the Middle East, Africa and Oceania. Use in other areas may result in poor reception. The RDS (radio data system) function only works in areas that broadcast RDS signals for FM stations.

Best stations memory (BSM)

The six strongest stations are stored on the number buttons (1/∧ to 6/⇆).

1 After selecting the band, press the M.C. dial to display the main menu.

2 Turn the M.C. dial to select [FUNCTION], then press to confirm.

3 Turn the M.C. dial to select [BSM], then press to confirm.

To seek a station manually

1 After selecting the band, press ◄◄/►►I to select a station.
Press and hold ◄◄/►►I then release to seek an available station. Scanning stops when the unit receives a station. To cancel seek tuning, press ◄◄/►►I.

NOTE
[SEEK] needs to be set to [MAN] in the FUNCTION settings (page 17).

To store stations manually

1 While receiving the station you want to store, press and hold one of the number buttons (1/∧ to 6/⇆) until it stops flashing.

Using PTY functions

The unit searches for a station by PTY (program type) information.

1 Press ⌕ during FM reception.

2 Turn the M.C. dial to select a program type from [NEWS/INF], [POPULAR], [CLASSICS] or [OTHERS].

3 Press the M.C. dial.

The unit begins to search for a station. When it is found, its program service name is displayed.

Receiving preset stations

1 Press SRC/OFF to select [RADIO].

2 Press BAND/DIMMER ⤺ **to select the band from [F1], [F2], [F3] or [AM].**

3 Press a number button (1/ ⋀ **to 6/** ⇄ **).**

TIP
The ⏮/⏭ buttons can be also used to select a preset station when [SEEK] is set to [PCH] in the FUNCTION settings (page 17).

| USB/AUX

Playing back

Disconnect headphones from the device before connecting it to the unit.

USB devices (including Android™)

1 Open the USB port cover.

2 Plug in the USB device using an appropriate cable.

NOTE
To automatically switch to [USB] source when a USB device is connected to the unit, set [USB A] to [ON] in the SYSTEM settings (page 18).

⚠ CAUTION

Use a USB cable (sold separately) to connect the USB device as any device connected directly to the unit will protrude out from the unit, which could be dangerous.

Before removing the device, stop playback.

English

AOA connections

A device installed with Android OS 5.0 or later (up to Android 7.x)* can be connected to the unit via AOA, using the cable supplied with the device.

* AOA 2.0 does not support Android OS 8.0 or later.

Listening to music on Android

This function is compatible with devices that have Android OS 5.0 or later (up to Android 7.x)* installed and also support AOA (Android Open Accessory) 2.0.

* AOA 2.0 does not support Android OS 8.0 or later.

1 Press SRC/OFF to select [USB].

"ANDROID" is displayed after reading.

NOTE

Some Android devices connected via AOA 2.0 may not work properly or emit sounds due to their own software design, regardless of the OS version.

Basic operations

Purpose	Operation
Select a track	Press ◄◄ or ►►.
Pause/resume playback	Press 4/►/❚❚.

AUX

1 Insert the stereo mini plug into the AUX input jack.

2 Press SRC/OFF to select [AUX] as the source.

NOTE

If [AUX] is set to [OFF] in the SYSTEM settings, [AUX] cannot be selected as a source (page 18).

Operations

You can make various adjustments in the FUNCTION settings (page 15).
Note that the following operations do not work for an AUX device. To operate an AUX device, use the device itself.

Purpose	Operation
Select a folder	Press 1/∧ or 2/∨.
Select a track	Press ◄◄ or ►►.
Fast forward or reverse	Press and hold ◄◄ or ►►.

Purpose	Operation
Search for a file from a list	1 Press 🔍 to display the list. 2 Turn the **M.C.** dial to select the desired file (folder) name, then press to confirm. 3 Turn the **M.C.** dial to select the desired file, then press to confirm. Playback starts.
View a list of the files in the selected folder	Press the **M.C.** dial when a folder is selected.
Repeat play	Press **6/**⇄.
Random play	Press **5/**✕✕.
Pause/resume playback	Press **4/**►/**❚❚**.

Bluetooth®

(Only for MVH-330DAB)

Bluetooth connection

1 **Turn on the Bluetooth function of the device.**
If you make a Bluetooth connection from the device, proceed to step 6.

2 **Press** 📞 **to display the phone menu.**

3 **Turn the M.C. dial to select [BT SETUP], then press to confirm.**

4 **Turn the M.C. dial to select [ADD DEV], then press to confirm.**
The unit starts to search for available devices, then displays them in the device list.
• To cancel searching, press the **M.C.** dial.
• If the desired device is not in the list, select [RE-SRCH].
• If there is no device available, [NOT FND] appears in the display.

5 **Turn the M.C. dial to select a device, then press to confirm.**
Press and hold the **M.C.** dial to switch the displayed device information between the Bluetooth device address and device name.
If you make a Bluetooth connection from the unit, proceed to step 7.

6 **Select the unit name shown in the device display.**

7 **Make sure the same 6-digit number appears on this unit and the device.**

8 **Perform the pairing operation by operating the unit and the device.**

English

NOTES

- Depending on the device, the PIN code is required in step 7. In this case, input [0000].
- Only one single device can be paired/registered at any one time. The previously paired/registered device information is overwritten/deleted when a new device is paired/registered to this unit.
- Disconnect a registered device in the [BT CON] menu when you register a new device.

TIP

The Bluetooth connection can be also made by detecting the unit from the Bluetooth device. To do so, [VISBL] in the Bluetooth settings needs to be set to [ON]. For details on a Bluetooth device operations, refer to the operating instructions supplied with the Bluetooth device.

Bluetooth settings

1 Press ☎ to display the phone menu.

2 Turn the **M.C.** dial to select [BT SETUP], then press to confirm.

Menu Item	Description
BT CON [ON], [OFF]	Display the paired Bluetooth devices. "*" appears on the device name when the Bluetooth connection is established.
ADD DEV	Register a new device.
A CON [ON], [OFF]	Select [ON] to connect to a Bluetooth device automatically.
VISBL [ON], [OFF]	Select [ON] so that a Bluetooth device can detect the unit.
PIN CODE	Change the PIN code. 1 Press the **M.C.** dial to display the setting mode. 2 Turn the **M.C.** dial to select a number. 3 Press the **M.C.** dial to move the cursor to the next position. 4 After inputting the PIN code, press and hold the **M.C.** dial.
DEV. INFO	Switch the device information on the display between the device name and Bluetooth device address.

Bluetooth telephone

First, make a Bluetooth connection with the Bluetooth telephone (page 11).

🕐 Important

- Leaving the unit on standby to connect to your phone via Bluetooth while the engine is not running can drain the vehicle's battery.
- Be sure to park your vehicle in a safe place and apply the parking brake before operation.

To make a phone call from the phone book

1 Press ☎ to display the phone menu.
   A phone name appears first then a phone menu will display.
2 Turn the **M.C.** dial to select [PHN BOOK], then press to confirm.
3 Turn the **M.C.** dial to select [SRCH :TOP] or [SRCH :A] to [SRCH :Z], then press to confirm.
4 Turn the **M.C.** dial to select a name, then press to confirm.
5 Turn the **M.C.** dial to select a phone number, then press to confirm.
   The phone call starts.

To make a phone call from the call history

1 Press ☎ to display the phone menu.
   A phone name appears first then a phone menu will display.
2 Turn the **M.C.** dial to select [RECENTS], then press to confirm.
3 Turn the **M.C.** dial to select [MISSED], [DIALLED] or [RECEIVED], then press to confirm.
4 Turn the **M.C.** dial to select a name or phone number, then press to confirm.
   The phone call starts.

To answer an incoming call

1 Press any button when a call is received.

Basic operations

Purpose	Operation
End a call	Press ☎.
Reject an incoming call	Press and hold ☎ when a call is received.
Switch between the current caller and a caller on hold	Press the **M.C.** dial.
Cancel a caller on hold	Press and hold ☎.
Adjust the volume of the caller's voice (When private mode is on, this function is not available.)	Turn the **M.C.** dial during the call.
Turn the private mode on or off	Press **BAND/DIMMER/** ⇆ during the call.

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Phone menu

1 Press 📞 to display the phone menu.

Menu Item	Description
RECENTS 　　　[MISSED]	Display the missed call history.
[DIALLED]	Display the dialed call history.
[RECEIVED]	Display the received call history.
PHN BOOK	Display the contacts.
ANSR 　　[ON], [OFF]	Select [ON] to answer an incoming call automatically.
RING 　　[ON], [OFF]	Select [ON] if the ring tone does not come out from the car speakers. Depending on the connected phone, this function may not work.
SYNC 　　[ON], [OFF]	Select [ON] to synchronize the contacts on this unit's phone book with the contacts on your phone when the phone is connected. **NOTE** Confirm the Bluetooth setting on your phone if the contacts on your phone cannot be displayed on the unit even though [ON] is selected.
BT SETUP	You can adjust various settings for Bluetooth connections. For details on Bluetooth settings, see page 12.

Bluetooth audio

↻ Important

- Depending on the Bluetooth audio player connected to this unit, the available operations will be limited to the following two levels:
  - A2DP (Advanced Audio Distribution Profile) can only play back songs on your audio player.
  - AVRCP (Audio/Video Remote Control Profile) can perform functions such as playback, pause, select song, etc.
- The sound of the Bluetooth audio player will be muted when the phone is in use.
- When the Bluetooth audio player is in use, you cannot connect to a Bluetooth telephone automatically.
- Depending on the type of Bluetooth audio player you have connected to this unit, operation and information displayed may vary based on availability and functionality.

1 **Make a Bluetooth connection with the Bluetooth audio player.**

2 **Press SRC/OFF to select [BT AUDIO] as the source.**
Playback starts automatically.

Basic operations

You can make various adjustments in the FUNCTION settings (page 15).

Purpose	Operation
Fast forward or reverse	Press and hold ◄◄ or ►►►I.
Select a track	Press ◄◄ or ►►►I.
Repeat play*	Press **6**/⇆.
Random play*	Press **5**/ⅩⅩ.
Pause/resume playback	Press **4**/►/II.
Search for a file from a list*	**1** Press ⚲ to display a list. **2** Turn the **M.C.** dial to select the desired folder name, then press to confirm. **3** Turn the **M.C.** dial to select the desired file, then press to confirm. Playback starts.

* Depending on the connected device, these operations may not be available.

Settings

You can adjust various settings in the main menu.

1 **Press the M.C. dial to display the main menu.**

2 **Turn the M.C. dial to select one of the categories below, then press to confirm.**
- FUNCTION settings (page 15)
- AUDIO settings (page 17)
- SYSTEM settings (page 18)

3 **Turn the M.C. dial to select the options, then press to confirm.**

NOTE
The Bluetooth-related menu items in the following tables are only available for MVH-330DAB.

FUNCTION settings

The menu items vary according to the source.

Menu Item	Description
S FOL `DAB`	
[ON], [OFF]	Search for another ensemble that supports the same service component/station with better reception. If no alternative service component/station can be found or reception remains poor, the unit will automatically switch to an identical FM broadcast.
S LNK*1*2 `DAB`	
[ON], [OFF]	If the reception of the service component/station being received becomes poor, the unit will automatically switch to a station with a similar broadcast.
PTY `DAB`	
[NEWS/INF], [POPULAR], [CLASSICS], [OTHERS]	Displays the service list that has the selected program type information.
ENSEMBLE `DAB`	
	Displays the list of relevant ensembles.
BSM `RADIO`	
	Store the six strongest stations on the number buttons (1/∧ to 6/⇄) automatically.
LOCAL `RADIO`	
FM: [OFF], [LV1], [LV2], [LV3], [LV4] **AM:** [OFF], [LV1], [LV2]	Restrict the tuning station according to the signal strength.
TA SET `DAB` `RADIO`	
[DAB+RDS]	Receive current traffic information for DAB and RDS (DAB has priority) if available.
[RDS ONLY]	Receive current traffic information for only RDS if available.
[TA OFF]	Disables this function.
AF `RADIO`	
[ON], [OFF]	Allow the unit to retune to a different frequency providing the same station. (Available only when FM band is selected.)

Menu Item	Description
NEWS `RADIO`	
[ON], [OFF]	Interrupt the currently selected source with news programs. (Available only when FM band is selected.)
SEEK `RADIO`	
[MAN], [PCH]	Assign ◄◄ or ►►| buttons to seek the stations one by one (manual tuning) or select a station from the preset channels.
PLAY `BT AUDIO`	
	Start playback.
STOP `BT AUDIO`	
	Stop playback.

*1 Only available in areas where [S LNK] function is supported.
*2 Not available when [S FOL] function is turned off.

AUDIO settings

Menu Item	Description
FADER*1	
	Adjust the front and rear speaker balance.
BALANCE	
	Adjust the left and right speaker balance.
BASS&TRE	
[FLAT], [CUSTOM], [EQ : 1], [EQ : 2], [EQ : 3]	Select the bass & treble setting.
Select Bass or Treble and level to customize sound. **Tone control:** [BASS], [TRE] **Equalizer level:** [+6] to [−6]	
LOUD	
[ON], [OFF]	Compensate for clear sound at low volume.
SLA	
[+2] to [-1]	Adjust the volume level for each source except RADIO.

SYSTEM settings

You can also access to these menus by pressing the **M.C.** dial when the unit is turned off.

Menu Item	Description
LANG	
[ENG](English), [FRA](French), [DEU](German)	Select the language to display.
CLOCK	
	Set the clock (page 5).
12/24	
[12H], [24H]	Select the time notation.
AUX	
[ON], [OFF]	Set to [ON] when using an auxiliary device connected to the unit.
BT-A	
[ON], [OFF]	Set to [ON] when using the Bluetooth audio player connected to the unit.
BT CLEAR	
[YES], [CANCEL]	Clear the Bluetooth device data (device information, PIN code) stored in the unit. [CLEARED] appears when data is successfully deleted.
BT VER	
	Displays the system version of the Bluetooth module.
USB A	
[ON], [OFF]	Select [ON] to automatically switch to [USB] source when a USB device/Android is connected to the unit. Select [OFF] when a USB device/Android is being connected to the unit just for charging.
SCRL	
[ONE], [YES], [NO]	Select the auto text scroll setting for text information. [ONE] is to scroll text information only once.

Additional Information

Troubleshooting

The display automatically returns to the normal display.
→ No operations have been made for about 30 seconds.
  – Perform an operation.

The repeat play range changes unexpectedly.
→ Depending on the repeat play range, the selected range may change when another folder or track is being selected or during fast forwarding/reversing.
  – Select the repeat play range again.

A subfolder is not played back.
→ Subfolders cannot be played when [FLD] (folder repeat) is selected.
  – Select another repeat play range.

The sound is intermittent.
→ You are using a device, such as a cellular phone, that may cause audible interference.
  – Move electrical devices that may be causing the interference away from the unit.

The sound from the Bluetooth audio source is not played back.
→ There is a call in progress on a Bluetooth-connected cellular phone.
  – The sound will be played back when the call is terminated.
→ A Bluetooth-connected cellular phone is currently being operated.
  – Stop using the cellular phone.
→ The connection between the unit and the cellular phone is not established correctly after a call made by a Bluetooth-connected cellular phone.

– Make a Bluetooth connection between the unit and the cellular phone again.

Error messages

Common

NO XXXX (NO TITLE, for example)
→ There is no embedded text information.
  – Switch the display or play another track/file.

USB device

READING
→ Sometimes there is a delay between the start of playback and when you start to hear any sound.
  – Wait until the message disappears and you hear sound.

NO AUDIO
→ There are no songs.
  – Transfer the audio files to the USB device and connect.
→ The connected USB device has security enabled.
  – Follow the USB device instructions to disable the security.

SKIPPED
→ The connected USB device contains DRM protected files.
  – The protected files are skipped.

PROTECT
→ All the files on the connected USB device are embedded with DRM.
  – Replace the USB device.

N/A USB
→ The connected USB device is not supported by this unit.

English

– Disconnect your device and replace it with a compatible USB device.

HUB ERR

→ The USB device connected via a USB hub is not supported by this unit.
  – Connect the USB device directly to this unit using a USB cable.

CHECK:USB

→ The USB connector or USB cable has short-circuited.
  – Check that the USB connector or USB cable is not caught in something or damaged.
→ The connected USB device consumes more than maximum allowable current.
  – Disconnect the USB device and do not use it. Turn the ignition switch OFF and back to ACC or ON. Connect only compliant USB devices.

ERROR-19

→ Communication failed.
  – Perform one of the following operations, then return to the USB source.
    • Turn the ignition switch OFF and back to ON.
    • Disconnect the USB device.
    • Change to a different source.

ERROR-23

→ USB device was not formatted properly.
  – Format the USB device with FAT12, FAT16 or FAT32.

Bluetooth device (MVH-330DAB)

ERROR-10

→ The power failed for the Bluetooth module of the unit.
  – Turn the ignition switch OFF and back to ACC or ON.

Handling guidelines

USB storage device

• Connections via USB hubs are not supported.
• Firmly secure the USB storage device before driving. Do not let the USB storage device fall onto the floor, where it may become jammed under the brake or accelerator pedal.
• Depending on the USB storage device, the following problems may occur.
  – Operations may vary.
  – The storage device may not be recognized.
  – Files may not be played back properly.
  – The device may cause audible interference when you are listening to the radio.

Compressed audio compatibility

• Only the first 32 characters can be displayed as a file name (including the file extension) or a folder name.
• The unit may not work properly depending on the application used to encode WMA files.
• There may be a slight delay at the start of the playback of audio files embedded with image data, or audio files stored on a USB device with numerous folder hierarchies.

⚠ CAUTION

• Pioneer cannot guarantee compatibility with all USB mass storage devices, and assumes no responsibility for any loss of data on media players, smartphones, or other devices while using this product.
• Do not leave a USB storage device in any place that is subject to high temperatures.

WMA files

File extension	.wma
Bit rate	48 kbps to 320 kbps (CBR), 48 kbps to 384 kbps (VBR)
Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
Windows Media™ Audio Professional, Lossless, Voice/DRM Stream/Stream with video	Not compatible

MP3 files

File extension	.mp3
Bit rate	CBR (8 kbps to 320 kbps)/VBR
Sampling frequency	16 kHz to 48 kHz (32 kHz, 44.1 kHz, 48 kHz for emphasis)
Compatible ID3 tag version	2.2, 2.3, 2.4
M3u playlist	Not compatible
MP3i (MP3 interactive), mp3 PRO	Not compatible

WAV files

File extension	.wav
Quantization bits	8 and 16 (LPCM)
Sampling frequency	16 kHz to 48 kHz (LPCM)

FLAC files

- FLAC files may not be playable, depending on the encoder.

File extension	.flac
Sampling frequency	8/11.025/12/16/22.05/24/32/44.1/48 kHz
Quantization bit rate	16 bit
Channel mode	1/2 ch

USB device

- There may be a slight delay when starting playback of audio files on a USB storage device with numerous folder hierarchies.

Playable folder hierarchy	Up to eight tiers (A practical hierarchy is less than two tiers.)
Playable folders	Up to 500
Playable files	Up to 15 000
Playback of copyright-protected files	Not compatible
Partitioned USB device	Only the first partition can be played.

Sequence of audio files

The user cannot assign folder numbers and specify playback sequences with this unit. Sequence of audio file depends on the connected device.

Note that the hidden files in a USB device cannot be played back.

Example of a hierarchy

Level 1   Level 2   Level 3   Level 4

01 to 05: Folder number
① to ⑥: Playback sequence
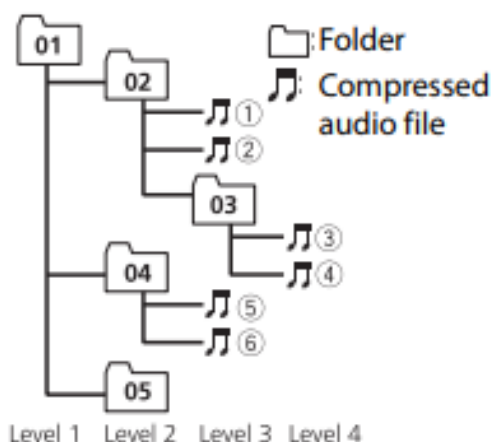
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WMA

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FLAC

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Android

Android is a trademark of Google LLC.

Specifications

General

Power source:
    14.4 V DC (10.8 V to 15.1 V allowable)
Grounding system: Negative type
Maximum current consumption:
    10.0 A
Dimensions (W × H × D):
    DIN
    Chassis: 178 mm × 50 mm × 97 mm
    Nose: 188 mm × 58 mm × 17 mm
    D
    Chassis: 178 mm × 50 mm × 97 mm
    Nose: 170 mm × 46 mm × 17 mm
Weight: 0.6 kg (MVH-330DAB)
Weight: 0.5 kg (MVH-130DAB)

Audio

Maximum power output:
    50 W × 4 ch/4 Ω
Continuous power output:
    20 W × 4 (50 Hz to 15 000 Hz, 5 % THD, 4 Ω load, both channels driven)
Load impedance:
    4 Ω (4 Ω to 8 Ω allowable)
Preout maximum output level: 1.5 V

Loudness contour:
        +8 dB (100 Hz), −1 dB (10 kHz)
        (volume: 28)
Tone control (bass and treble)
        Frequency: 100 Hz (bass) /10 kHz
        (treble)
        Equalization range: ±12 dB (±2 dB
        step)

USB

USB standard specification:
        USB 2.0 full speed
Maximum current supply: 0.5 A
USB Protocol:
        MSC (Mass Storage Class)
        AOA (Android Open Accessory) 2.0
File system: FAT12, FAT16, FAT32
MP3 decoding format:
        MPEG-1 & 2 Audio Layer 3
WMA decoding format:
        Ver. 7, 8, 9 (2 ch audio) (Windows
        Media Player)
FLAC decoding format:
        v1.2.1 (Free Lossless Audio Codec)
WAV signal format:
        Linear PCM

FM tuner

Frequency range: 87.5 MHz to 108.0 MHz
Usable sensitivity: 11 dBf (1.0 µV/75 Ω,
        mono, S/N: 30 dB)
Signal-to-noise ratio: 65 dB (IEC-A network)

AM tuner

Frequency range: 531 kHz to 1 602 kHz
Usable sensitivity: 25 µV (S/N: 20 dB)
Signal-to-noise ratio:
        58 dB (IEC-A network)

DAB tuner

Frequency range (Band III): 174.928 MHz to
        239.200 MHz (5 A to 13 F)
Usable sensitivity (Band III): −100 dBm
Signal-to-noise ratio: 65 dB

Bluetooth

(MVH-330DAB)
Version: Bluetooth 4.2 + EDR certified
Output power:
        +4 dBm Maximum (Power class 2)
Frequency band(s):
        2 400 MHz to 2 483.5 MHz
Bluetooth profiles:
        GAP (Generic Access Profile)
        SDAP (Service Discovery Application
        Profile)
        HFP (Hands Free Profile) 1.6
        PBAP (Phone Book Access Profile)
        A2DP (Advanced Audio Distribution
        Profile)
        AVRCP (Audio/Video Remote Control
        Profile) 1.5

NOTE

Specifications and the design are subject
to modifications without notice.