Owner's manual HI−M507 HIDAKA

DC12-24V MW/FM/Bluetooth®/AUX
STEREO RECEIVER

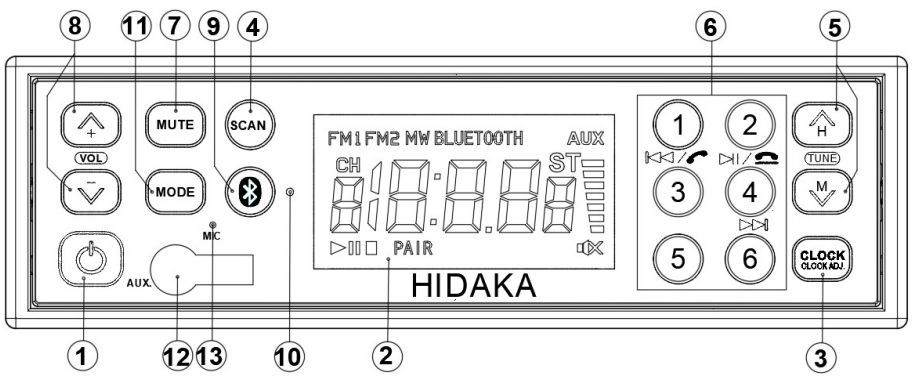
Bluetooth® AUX 24V 12V

Thank you for purchasing this product.
Please read this instruction manual to the end before use so that you can fully utilize the functions of this unit and use it effectively.
After reading it, please keep it in a safe place. It is always useful if you have any questions or problems during use.
Also, if you operate the unit while driving, you may be careless in front of you and cause an accident. Therefore, be sure to stop the car in a safe place before operating the unit.

About the waterproof performance of this unit

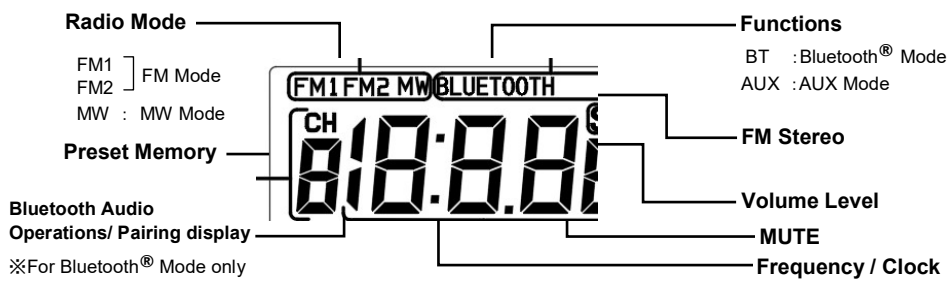
(1) This unit is not waterproof. The front panel is drip-proof, but do not splash water directly on it. Surroundings and inside Water may get into the part and cause a fire, electric shock, or malfunction.
(2) Make sure that the rubber cap is completely closed before use.
(3) Do not give a shock to this unit. Damage may cause deterioration of waterproof performance.

Operational Panel



① Power [⏻] Button
Press the button to power ON. Press again to power OFF.

② LCD (Liquid Crystal Display)
The receiving band and frequency or the current time will be indicated on the display.



③ Clock [CLOCK CLOCK ADJ. **] Button**
While receiving radio, press the button to change the display to a clock, and press it again to display the frequency.
After 3 seconds, the time display will automatically change to the frequency display.
If you press and hold (2 seconds or more), "ADJ" will be displayed on the display, "Clock" will blink and the clock adjustment mode will be set.

④ Scan [SCAN] Button
In radio mode, press the button to start searching for stations and preset receivable stations. Buttons ① to ⑥ can be automatically memorized.

⑤ Tuning [⌃H , ⌄M] Buttons
Press the [⌃H] button to increase the reception frequency by one step, and press the [⌄M] button to decrease the reception frequency by one step. (Manual channel selection)
Press the [⌃H] button for 2 seconds or longer, the frequency will automatically change to the higher side, and press the [⌄M] button for 2 seconds or longer, the frequency will automatically change to the lower side, searches for a broadcasting station, and stops when it can be received. If you want to stop in the middle press again. (Seek channel selection)

⑥ Preset Memory [① to ⑥] Buttons (Bluetooth® control)
Three FM and one MW station can be preset memory for each button.
※For Bluetooth® mode operations, "
"Play audio of Bluetooth® device" please see.

⑦ Mute Button [MUTE]
When playing a sound in each mode,press this key once,and no sound is output ,and the mute symbol is displayed on the displayed [🔇], press again to recover the sound output ,and the mute symbol disappears

⑧ Volume Control [VOL ⌃+ ⌄−] Buttons
Press the [VOL ⌃+] button to increase the sound volume, presh the [VOL ⌄−]button to decrease The sound volume. Press and hold to change the sound volume continuously.

⑨ Bluetooth® [ᛒ] Button
Press the button to connect to the last Bluetooth® compatible device that has registered (Pairing). Press the button until you hear a beep, connection (registration) is released and the pairing standby mode is set.

⑩ Bluetooth® LED
When this LED lights up, the Bluetooth® device is connected. Flashes in pairing standby mode.

⑪ Mode Select [MODE] Button
Press the button to switch the operation modes as shown.
In Bluetooth® mode and AUX mode, the display switches from frequency to clock.
→ FM1→FM2→MW→ BT → AUX

⑫ AUX Terminal (AUX.) ※Stereo mini jack (φ3.5mm)
When using, open the rubber cap and connect the headphone terminal of the smartphones and digital audio player to the stereo mini plug (φ3.5mm) with a cable.
※Be sure to close the rubber cap when not in use.

⑬ Microphone hole
In the state of Bluetooth connection, when there is a phone input, press the answer button to answer the phone, and make a voice call in the microphone hole, the distance between the mouth and the microphone hole should be kept within 1 meter as far as possible during the intercom.

Setting the Clock

(1) Press the [CLOCK CLOCK ADJ.] button for 2 seconds or longer to enter the clock adjustment mode. (The clock display flashes.)
(2) Press the [⌃H] button to adjust hour. Pressing the [⌄M] button to adjust minute.
(3) The clock display will return by pressing the [CLOCK CLOCK ADJ.] button again.

Listening the radio

(1) Set the ignition key to ACC or ON and press the [⏻] button to turn on the radio.
(2) Select the desired band FM or MW by the [MODE] button.
(3) Use the preset memory button or tuning button to select a channel and adjust the volume.
(4) To turn off the radio, press the [⏻] button.

Receiving FM stereo broadcasting

When you receive an FM stereo broadcast, "ST" will appear on the display. When the reception condition deteriorates, it automatically switches to monaural with less noise and the "ST" display disappears.

Radio Manual tuning

Select the channel manually. Press the [⌃H] button to increase the reception frequency by one step, and press the [⌄M] button to decrease the reception frequency by one step.

Radio SEEK tuning

Press the [⌃H] button for 2 seconds or longer, the frequency will automatically change to the higher side, and press the [⌄M] button for 2 seconds or longer, the frequency will automatically change to the lower side, searches for a broadcasting station, and stops when it can be received. If you want to stop in the middle press again.

Preset Memory

(1) Press the [MODE] button to select FM1,FM2, and MW to select the desired station.
(2) Then search the desired station by the seek or the manual tuning.
(3) Press any button (from ① to ⑥) for 3 seconds or longer.
※If you press the button that has been preset memory for 3 seconds or longer, The preset frequency will be overwritten with the current frequency.
※You can preset memory for each FM and MW station for each button.

Auto Store Memory

During the radio mode, by pressing and releasing [SCAN] button will automatically store a strong signal station in memory from the channel ① to the channel ⑥.

CAUTION: ・Auto store memory overwrites previously stored stations.
・If the desired button does not memorize, please preset it manually.

Using Bluetooth® wireless technology

Mobile phones and audio devices that support Bluetooth® can be connected to use with this unit. You will be notified that there is an incoming call by connecting the mobile phone.
※This unit will not support calls for the reason of No microphone is installed.
In order to use Bluetooth® devices must be able to match certain profiles.
This unit is compatible with following profiles.
HFP (Hands-Free Profile),A2DP(Advanced Audio Distribution Profile), AVRCP (Audio / VideoRemote Control Profile)
※The Bluetooth® word mark and logos are owned by the Bluetooth SIG, inc. and any use of suchmarks by HIDAKA Corporation is under licensed.

Pairing Bluetooth® devices

When connecting a Bluetooth® devices for the first time, mutual registration is required.
Pairing enables this unit and other devices to recognize each other.
※Please first enable Bluetooth® function of the Bluetooth® device before pairing.
For details, please refer to the manual of Bluetooth® device.
(1) Press the [MODE] button to select the function Bluetooth® mode.
(2) Enable Bluetooth® on the Bluetooth® device.
※See the instruction manual of the compatible device.
(3) Press and hold the [ᛒ] button until you hear a tow beep.
※When "P" flashes on the display, it is in pairing standby mode.
(4) Select "CAR RADIO" with Bluetooth® device.

CAUTION: ・Only one pair of Bluetooth® devices can be paired with this unit.
・When you turn on the power, there is a function to reconnect to the last connected device. When leaving this unit (car etc.) to prevent incorrect connection, press the [ᛒ] button until you hear a beep, cancel the pairing.
・To pair again, repeat steps (1) to (4) above.
・Use Bluetooth® compatible devices in a place with good visibility within about 10m.

Play audio of Bluetooth® device

If the Bluetooth® device is already connected (the Bluetooth® LED is light), press the [MODE] button to switch to the Bluetooth® mode. In Bluetooth® mode, Bluetooth® device can be operated with ① to ④ buttons.

① Previous Track [⏮] Button
Return to the beginning of the current track.
Press the button again to skip to the previous track.

② Play / Pause [⏯] Button
Pause or resume playback.

④ Next Track [⏭] Button
Skip to the next track.

Bluetooth® device How to call

If the Bluetooth® device is already connected (the Bluetooth® LED is light or "PAIR" is displayed), this unit is in standby mode for incoming calls.
When you receive a call, the LCD display will show " CALL ", the car stereo volume will be automatically muted, and the speaker will ring the phone.

① [ ] You can answer the incoming call by pressing the call start button.

② [ ] Press the button to end the call.

CAUTION: ・We do not guarantee connection with all mobile phone models.

・Please speak into the built-in microphone hole when talking

・Depending on the mobile phone model, you may not be able to operate, make no sound, or make a call when receiving a call.

・After connecting to a mobile phone, if the mobile phone is set to "Bluetooth® compatible device priority", you cannot make a call.

・We recommend that you test the call you cannot make a call once before using it.

Specificationsconnector name plate

General

Power Source : 12 - 24VDC ⊖negative ground

Power Consumption : 2.0 A(volume MAX, DC28.8V)

Normal Output Power : 14.0W + 14.0W (1kHz,10%, 4Ω, DC28.8V)

Rated Output Power : 18.0W + 18.0W (4Ω, DC28.8V)

Dimension : 178(W)×48. 5(H)×100(D)mm

FM section

Receiving Frequency Range : 87.5-108.0MHz(EU)
87.9-108.0MHz(USA)
87.5-108.0MHz(ASIA)

Usable Sensitivity : 12dBμV

S/N Ratio : 60dB

MW section

Receiving Frequency Range : 531-1602kHz(EU)
530-1710kHz(USA)
522-1629kHz(ASIA)

Usable Sensitivity : 32dBμV

S/N Ratio : 40dB

Bluetooth® section

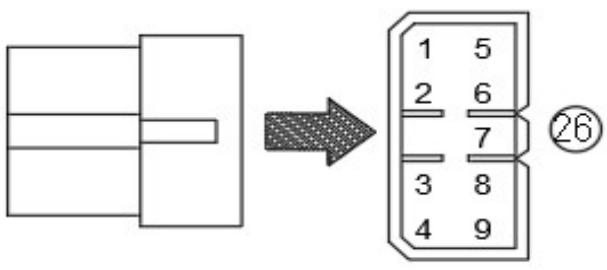
Specification : Ver.5.0

Output power : Class2
(Line of sight communication distance about 10m)

Support Profile : HFP(V1.7), A2DP(V1.3), AVRCP(V1.6)

Connector name plate

No.	Description	Color
1	N0 connection	————
2	Speaker Right (+)	Glay-Red
3	ACC 12V - 28V	Red solid
4	Speaker Left (+)	Green-Red
5	N0 connection	————
6	Speaker Right (-)	Glay
7	Ground	Black
8	CLOCK MEMORY (B+)	ORANGE-WHITE
9	Speaker Left (-)	Green



Trouble shooting

Radio

Problem	Cause	Measure
Sound is noisy.	It is not on the frequency of the broadcasting station.	Please adjust to the correct frequency.
	Antenna does not extend. (When using pillar antenna)	When using a radio, please use with the pillar antenna extend.
	The antenna is not grounded or not installed properly.	Please consult your dealer.
	Antenna power supply not connected.	The booster built-in antenna needs to connect the power supply to the antenna. For details, please consult your dealer.

Bluetooth®

Problem	Cause	Measure
Can not connect a Bluetooth® device.	Bluetooth® connection is not established.	Depending on your Bluetooth® device, some items that takes time to connect may not be automatically reconnected. Please check that the Bluetooth® LED. If it does not turn on the light on time, please pair again according to "Pairing Bluetooth® devices".
	Another Bluetooth® devices is connected.	If another Bluetooth® device is connected, pair it again according to "Pairing Bluetooth® devices".
Can not remotely control Bluetooth® devices.	AVRCP profile is not connected.	Please disconnect all connected Bluetooth® devices and pair it again according to "Pairing Bluetooth® devices".
	The connection link between devices may be broken.	Again according to "Pairing Bluetooth® devices".
	Does not support AVRCP.	Please check the support profile of Bluetooth® device.
No sound heard.	Bluetooth® device volume is low.	The volume of the Bluetooth® device will be affected. Please set the volume of the Bluetooth® device to an appropriate value.
	The output destination of the Bluetooth® device is not set to "CAR RADIO".	Please confirm that the Bluetooth® device music output destination is in "CAR RADIO".
Bluetooth® audio playback stops after incoming call.	Audio may not resume after phone interrupt.	After the call ends, please again according to "Pairing Bluetooth® devices".

FCC Compliance Statements
Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Compliance Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.