

# Pioneer

MARINE DIGITAL MEDIA RECEIVER  
RÉCEPTEUR MÉDIA AUDIO MARIN  
RECEPTOR DE MEDIOS DIGITALES MARINO

## MVH-MS512BS

This guide is intended to guide you through the basic functions of this unit. For details, please refer to this product's Operation Manual, which you can look up here:  
<https://www.pioneerelectronics.com/PUSA/Support>

### Quick start guide Guide de démarrage rapide Guía de inicio rápido

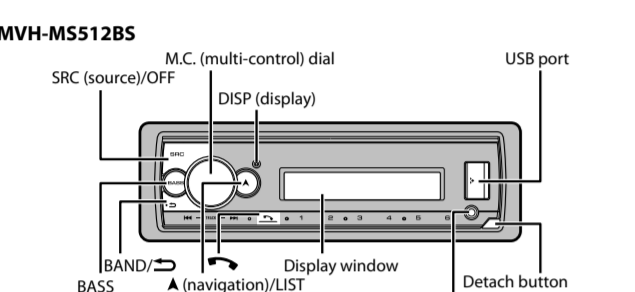
**Important (Serial number)**  
The serial number is located on the bottom of this unit. Be sure to record this number on the enclosed warranty card before the unit is installed.

**Important (Numéro de série)**  
Le numéro de série se trouve au bas de cet appareil. Veuillez le noter en numéro sur la carte de garantie fournie avant d'installer l'appareil.

**Importante (Número de serie)**  
El número de serie se encuentra en la parte inferior de esta unidad. Anótelos de manera que el número en la tarjeta de garantía que se adjunta antes de instalar la unidad.

QRD3705-C

### Basic operation



- Press the **M.C.** dial to display the main menu.
- Turn the **M.C.** dial to select one of the categories below, then press to confirm.
  - FUNCTION settings
  - AUDIO settings
  - SYSTEM settings
  - ILLUMINATION settings
  - MIXTRAX settings
- Turn the **M.C.** dial to select the options, then press to confirm.

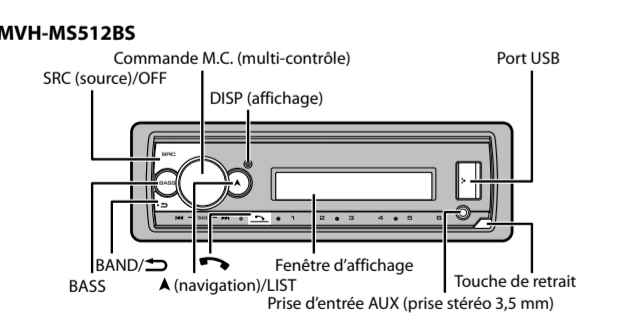
### Frequently used operations

Purpose	Operation
Turn on the power	Press <b>SRC/OFF</b> to turn on the power. Press and hold <b>SRC/OFF</b> to turn off the power.
Adjust the volume	Turn the <b>M.C.</b> dial.
Select a source	Press <b>SRC/OFF</b> repeatedly.
Change the display information	Press <b>DISP</b> repeatedly.
Return to the previous display/list	Press <b>BAND/</b> .
Return to the normal display from the menu	Press and hold <b>BAND/</b> .
Change the display brightness	Press and hold <b>BAND/</b> .
Boost the bass level	Press <b>BASS</b> . You can select the bass level ([HI] or [LOW]) in [D.BASS].

### Avant de commencer

**Important**  
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 unit on or off, 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/television technician for help.

### Fonctionnement de base



- Appuyez sur la commande **M.C.** pour afficher le menu principal.
- Appuyez sur la commande **M.C.** pour sélectionner l'une des catégories ci-dessous, puis appuyez pour confirmer.
  - Réglages FUNCTION
  - Réglages AUDIO
  - Réglages SYSTEM
  - Réglages ILLUMINATION
  - Réglages MIXTRAX
- Appuyez sur la commande **M.C.** pour sélectionner les options, puis appuyez pour confirmer.

### Procédure de configuration

Lorsque vous touchez le menu principal d'allumage à ON après l'installation, le menu de configuration s'affiche.

### English

If your boat's ignition has no ACC position, some settings are not saved to the memory. To save, detach the front panel or wait for the unit to shut off completely for 10 seconds after turning it off (PW SAVE), then turn the SRC/OFF off. [ON] is selected in [FW SAVING], then turn the ignition off.

This guide is intended to guide you through the basic functions of this unit. For details, please refer to this product's Operation Manual, which you can look up here:  
<https://www.pioneerelectronics.com/PUSA/Support>

### Before You Start

**Important**  
Thank you for purchasing this PIONEER product. Please read through this guide and the Operation Manual before using this product. It is especially important that you read and observe **WARNING** and **CAUTION** in this guide. Please keep this guide in a safe and accessible place for future reference.

**FCC ID: 2BCEW-MVH-MS512BS**  
MODEL NO. MVH-MS512BS  
IC: 2520A-C99

### About the main menu

- You can adjust various settings in the main menu.
- Press the **M.C.** dial to display the main menu.
  - Turn the **M.C.** dial to select one of the categories below, then press to confirm.
    - FUNCTION settings
    - AUDIO settings
    - SYSTEM settings
    - ILLUMINATION settings
    - MIXTRAX settings
  - Turn the **M.C.** dial to select the options, then press to confirm.

Purpose	Operation
Turn on the power	Press <b>SRC/OFF</b> to turn on the power. Press and hold <b>SRC/OFF</b> to turn off the power.
Adjust the volume	Turn the <b>M.C.</b> dial.
Select a source	Press <b>SRC/OFF</b> repeatedly.
Change the display information	Press <b>DISP</b> repeatedly.
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Return to the normal display from the menu	Press and hold <b>BAND/</b> .
Change the display brightness	Press and hold <b>BAND/</b> .
Boost the bass level	Press <b>BASS</b> . You can select the bass level ([HI] or [LOW]) in [D.BASS].

### Setup operation

When you turn the ignition switch to ON after installation, the setup menu appears in the display.

**WARNING**  
Do not use the unit in standard mode when a speaker system for network mode is connected to the unit. Do not use the unit in network mode when a speaker system for standard mode is connected to the unit. This may cause damage to the speakers.

Menu Item	Description
LANGUAGE	Select the language to display the text information from a compressed audio file. (ENG)(English), (ESP)(Spanish), (FRA) (CAN)(Canadian French)
CLOCK SET	Set the clock. 1 Turn the <b>M.C.</b> dial to adjust the hour, then press to confirm. The indicator moves to the minute setting automatically. 2 Turn the <b>M.C.</b> dial to adjust the minute, then press to confirm.

### Setup operation

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**WARNING**  
Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazardous conditions. Do not attempt to repair or modify this product. Make sure to turn the boat in a safe location before attempting to use the controls on the device.  
Do not attempt to connect into contact with moisture and/or fluids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.  
Do not allow this unit to come into contact with moisture and/or fluids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.

### Notes

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 unit on or off, the user is encouraged to try to correct the interference by one or more of the following measures:  
- Reorient or relocate the receiving antenna.  
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- 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/television technician for help.

### FEDERAL COMMUNICATIONS COMMISSION SUPPLIER'S DECLARATION OF CONFORMITY

Product Name: MARINE DIGITAL MEDIA RECEIVER  
Model Number: MVH-MS512BS  
Responsible Party Name: PIONEER ELECTRONICS USA, INC. SERVICE SUPPORT DIVISION  
Address: 2050 W. 190TH STREET, SUITE 100, TORRANCE, CA 90504, U.S.A.  
Phone: 1-800-421-1404  
URL: <http://www.pioneerelectronics.com/PUSA/AboutPioneer/ContactUs/>

### The Safety of Your Ears Is Your Hands

Get the most out of your equipment by playing it at a safe level - a level that lets your sound come through clearly without irritating or disturbing you, and most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time, your "comfort level" adapts to higher volumes of sound, so what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level before using it at all.

**ESTABLISH A SAFE LEVEL.**  
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.  
- Once you have established a comfortable sound level, let the dial allow it there.  
- Do not turn up the volume so high you can't hear what's around you.  
- Use caution or temporarily discontinue use in noisy or hazardous situations.  
- Do not use headphones while operating a motorized boat. The use of headphones may create a traffic hazard and is illegal in many areas.

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### CAUTION

Allow the unit to cool down before using if your boat has been docked in direct sunlight.  
Do not touch the detachable front panel sitting in direct sunlight, as this may cause malfunction due to overheating.  
Using this unit after your boat has been docked in direct sunlight may cause rust or malfunction. Please wash your hands thoroughly with clean water before use.  
Always keep the volume low enough to hear outside sounds.  
This product is evaluated in a laboratory under the best possible condition under the Audio, video and similar electronics apparatus. Safety requirements, IEC 60950.

### After sales service

Please contact the authorized Pioneer dealer from which you purchased this unit or an authorized Pioneer service company for after-sales service. Questions you may have about the product may be met by contact with Pioneer directly as follows:  
**Do not ship your unit in for repair without contacting Pioneer first. Units sent without a return authorization number will be refused.**

### Connections

In the following, "NW" represents network mode and "STD" represents standard mode. According to the connections you have established, change the speaker mode to standard mode (STD) or network mode (NW).

**WARNING**  
If your boat's ignition has no ACC position, be sure to set [PW SAVE] to [ON] for details. Do not attempt to connect into contact with moisture and/or fluids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.  
Do not use headphones while operating a motorized boat. The use of headphones may create a traffic hazard and is illegal in many areas.

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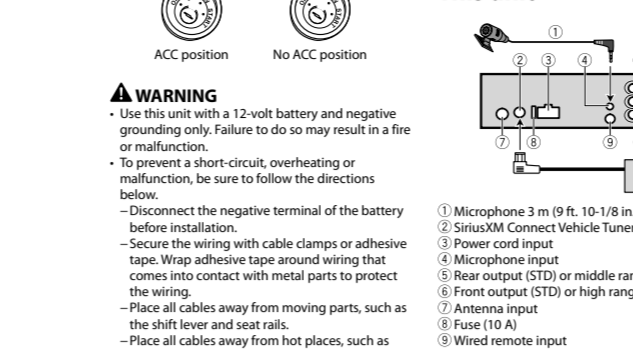
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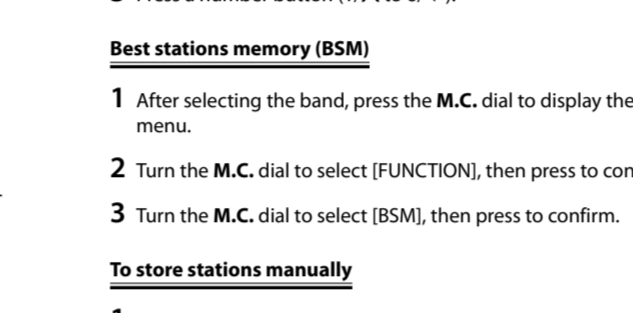
### ACC position



### ACC position

**WARNING**  
Use this unit with a 12-volt battery and negative grounding only. Make sure to do any repairs in a fire or malfunction.  
Prevent a short-circuit, overheating or malfunction. Be sure to follow the directions below.  
- Disconnect the negative terminal of the battery before installation.  
- Secure the wiring with metal clamps or adhesive tape. Wrap adhesive tape around wiring that comes into contact with metal parts to protect the wiring.  
- Place all cables away from moving parts, such as the shift lever and seat rails.  
- Place all cables away from hot places, such as near the heater outlet.  
- Do not connect the yellow cable to the battery by passing it through the hole to the engine compartment.  
- Cover any disconnected cable connectors with insulating tape.  
- Do not shorten any cables.  
- Never cut the insulation of the power cable of this unit in order to share the power with other devices. The current capacity of the cable is limited.  
- Use a fuse of the rating prescribed.  
- Never use the engine speaker cable directly to ground.  
- Never bond together negative cables of multiple speakers.  
- When this unit is on, control signals are sent through the blue/white cable. Connect the cable to the system remote control of an external power amp or to the auto-antenna relay control terminal (max. 300 mA 12 V DC). If the boat is equipped with a 300 mA antenna relay control terminal, use a subwoofer cable to connect to the antenna booster power supply terminal.  
- Never connect the subwoofer to the power terminal of an external power amp. Also, never connect to the power terminal of the antenna booster. Doing so may result in battery drain or a malfunction.  
- The graphical symbol placed on the product means direct current.

### Power cord



### Power cord

Perform these connections when not connecting a rear speaker or middle range speaker lead to a subwoofer.

Perform these connections when using a subwoofer without the optional amplifier.

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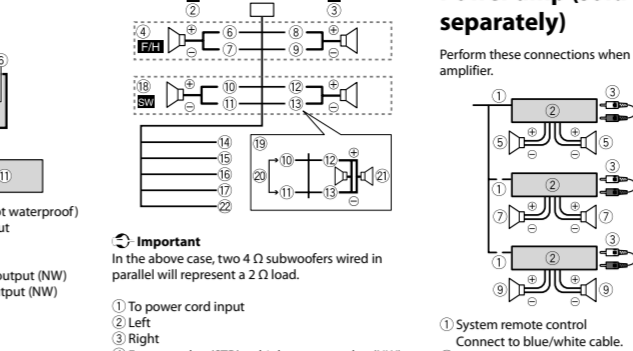
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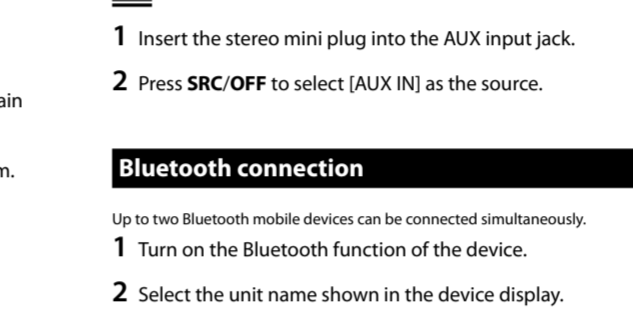
### This unit



### This unit

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Use this unit with a 12-volt battery and negative grounding only. Make sure to do any repairs in a fire or malfunction.  
Prevent a short-circuit, overheating or malfunction. Be sure to follow the directions below.  
- Disconnect the negative terminal of the battery before installation.  
- Secure the wiring with metal clamps or adhesive tape. Wrap adhesive tape around wiring that comes into contact with metal parts to protect the wiring.  
- Place all cables away from moving parts, such as the shift lever and seat rails.  
- Place all cables away from hot places, such as near the heater outlet.  
- Do not connect the yellow cable to the battery by passing it through the hole to the engine compartment.  
- Cover any disconnected cable connectors with insulating tape.  
- Do not shorten any cables.  
- Never cut the insulation of the power cable of this unit in order to share the power with other devices. The current capacity of the cable is limited.  
- Use a fuse of the rating prescribed.  
- Never use the engine speaker cable directly to ground.  
- Never bond together negative cables of multiple speakers.  
- When this unit is on, control signals are sent through the blue/white cable. Connect the cable to the system remote control of an external power amp or to the auto-antenna relay control terminal (max. 300 mA 12 V DC). If the boat is equipped with a 300 mA antenna relay control terminal, use a subwoofer cable to connect to the antenna booster power supply terminal.  
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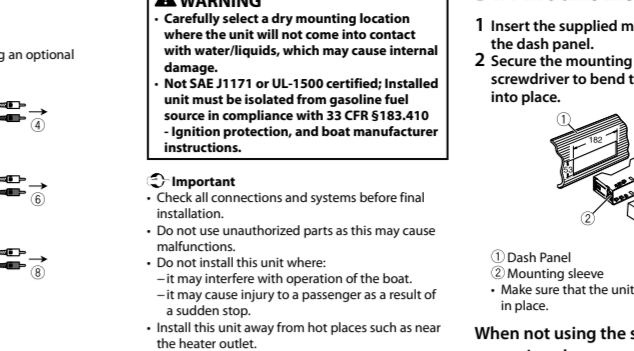
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### Power amp (sold separately)

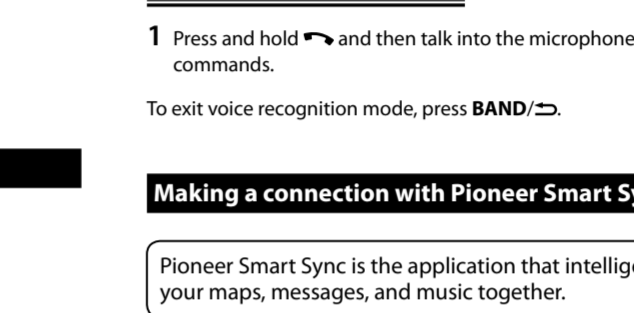


### Power amp (sold separately)

Perform these connections when using an optional amplifier.

**Important**  
In the above case, two 4-ohm speakers wired in parallel will represent a 2 Ω load.  
1) Power cord input  
2) Left  
3) Right  
4) Front speaker (STD) or high range speaker (NW)  
5) Rear speaker (STD) or middle range speaker (NW)  
6) Subwoofer output  
7) Black ( chassis ground)  
8) Gray  
9) White  
10) Yellow/black  
11) Violet  
12) White/black  
13) Violet/black  
14) Black ( chassis ground)  
15) Connect to a common ground point.  
16) Yellow  
17) Connect to the constant 12 V supply terminal.  
18) Connect to terminal controlled by the ignition switch (12 V CC).  
19) Yellow  
20) Connect to the system control terminal of the power amp or to the auto-antenna relay control terminal (max. 300 mA 12 V DC).  
21) When using a subwoofer (4 Ω), be sure to connect the subwoofer to the violet and violet/black leads of this unit. Do not connect anything to the green and green/black leads.  
22) Not used.  
23) Subwoofer (4 Ω) x 2  
24) Connect to a blue illumination signal.

### Power amp (sold separately)



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Perform these connections when using an optional amplifier.

**Important**  
In the above case, two 4-ohm speakers wired in parallel will represent a 2 Ω load.  
1) Power cord input  
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5) Rear speaker (STD) or middle range speaker (NW)  
6) Subwoofer output  
7) Black ( chassis ground)  
8) Gray  
9) White  
10) Yellow/black  
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17) Connect to the constant 12 V supply terminal.  
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16) Yellow  
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18) Connect to terminal controlled by the ignition switch (12 V CC).  
19) Yellow  
20) Connect to the system control terminal of the power amp or to the auto-antenna relay control terminal (max. 300 mA 12 V DC).  
21) When using a subwoofer (4 Ω), be sure to connect the subwoofer to the violet and violet/black leads of this unit. Do not connect anything to the green and green/black leads.  
22) Not used.  
23) Subwoofer (4 Ω) x 2  
24) Connect to a blue illumination signal.

### Power amp (sold separately)

Perform these connections when using an optional amplifier.

**Important**  
In the above case, two 4-ohm speakers wired in parallel will represent a 2 Ω load.  
1) Power cord input  
2) Left  
3) Right  
4) Front speaker (STD) or high range speaker (NW)  
5) Rear speaker (STD) or middle range speaker (NW)  
6) Subwoofer output  
7) Black ( chassis ground)  
8) Gray  
9) White  
10) Yellow/black  
11) Violet  
12) White/black  
13) Violet/black  
14) Black ( chassis ground)  
15) Connect to a common ground point.  
16) Yellow  
17) Connect to the constant 12 V supply terminal.  
18) Connect to terminal controlled by the ignition switch (12 V CC).  
19) Yellow  
20) Connect to the system control terminal of the power amp or to the auto-antenna relay control terminal (max. 300 mA 12 V DC).  
21) When using a subwoofer (4 Ω), be sure to connect the subwoofer to the violet and violet/black leads of this unit. Do not connect anything to the green and green/black leads.  
22) Not used.  
23) Subwoofer (4 Ω) x 2  
24) Connect to a blue illumination signal.

### Power amp (sold separately)

