BOSS®
AUDIO SYSTEMS

M500PA USER MANUAL

**USB CHARGING / FRONT & REAR AUX IN
PA MIC READY**

USB CHARGING **AUX INPUT** **PUBLIC ADDRESS READY**

Installation

Installation Procedures
First disconnect the vehicle's negative battery terminal, then complete the wiring, finally mount the unit in the dash.

Wiring

PA Microphone Input for PAK104 (not included)   Connector A

Connector B

PIN No.	Wire color	Wire definition
A1	Red	PA Battery (+)
A2	White	PA Data
A3	White	PA Audio in left
A4	Red	PA Audio in right
B1	Black	PA Ground
B2	NA	NA
B3	Black	PA Audio ground
B4	Black	PA Audio ground

Rear RCA Audio Input
Left (White) / Right (Red)

Fuse (15A)
Power B+ (Yellow)
GND (Black)
ANT (Blue)
ACC + (Red)

Rear Right Speaker — Purple / Purple/Black
Front Right Speaker — Gray / Gray/Black
Green / Green/Black — Rear Left Speaker
White / White/Black — Front Left Speaker

⚠ • +12V DC Negative Ground.
• Only support speakers of 4 ohms or above.

Installation

Connect all necessary wires including the optional PA microphone. Next, slide the head unit into the mounting sleeve until it clicks into place. The head unit is now mounted into the dash.

Mounting
This unit is designed to be installed in a dash which has an opening size as shown below.

2.05 inches
7.20 inches
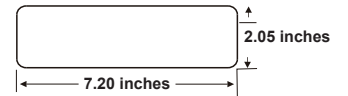
Insert the mounting sleeve into the dashboard, and then bend the tabs of the metal sleeve with a screwdriver to fasten the metal sleeve. Make sure that the lock lever is flush with the mounting sleeve (not projecting outward).

Dash board
Console
Mounting sleeve

Product Overview

1. **MUTE**
   Mute or restore volume.

2. **Control Knob**
   Rotate to adjust volume, or select submenu options/setting values. Press to access and select menu options.

3. **LCD Display**
   Shows the current status.

4. **USB Charging Port (1A)**
   Connect to charge a mobile phone. Not for media playback.

5. **Front AUX Jack (3.5 mm)**
   Connect to a mobile phone or MP3 player for audio input.

6. **Reset Button**
   Reset the unit if the unit fails to operate properly .

7. **CLOCK**
   Press to display clock.

8. **⏻ / SRC**
   Press to turn on the unit; press and hold to turn the unit off.
   During power on, press to select a source: front Aux in or rear Aux in.

General Operation

Turn on/off
• Press ⏻ to turn on the unit. Press and hold ⏻ to turn off the unit.

Select a source
• During power on, press **SRC** repeatedly to select a source: AUX IN-F (front 3.5mm Aux in) or AUX IN-R (rear RCA Aux in).

Set clock
1. During power on, press the control knob until "CLOCK" is displayed.
2. Rotate the control knob clockwise to adjust the minutes; rotate counter-clockwise to adjust the hours.
   The clock will be set after three seconds of button inactivity.

Adjust/Mute volume
• Rotate the control knob to increase or decrease volume.
• Press the control knob to mute or restore volume.

Audio settings
1. During power on, repeatedly press the control knob to access and select the menu options.
2. When a menu option is displayed, rotate the control knob to adjust values or settings. The settings will be made after three seconds of button inactivity, then the menu option will automatically exit.
   - BASS: Change output level for bass sound.
   - TREBLE: Change output level for treble sound.
   - BALANCE: Adjust left-to-right speaker output balance.
   - FADER: Adjust front-to-rear speaker output balance.
   - EQ: Select a preset sound mode: CLASS, ROCK, POP, FLAT, or OFF.
   - Loudness: Enable or disable loudness function. Enabling will boost output level of low and high frequencies.
   - CLOCK: Set clock. See the section "Set clock" for details.

Reset
Reset the unit when the LCD does not display normally, the sound is distorted, or if any of the controls become disabled.
Press the RESET button with a pin to reset the unit.

PAK104 PA Microphone

This unit supports the PAK104 microphone (not included) for public address. Connect a PAK104 microphone to the microphone input on the back of the unit.
Hold down the push-to-talk button on the microphone to activate. PA signal will automatically switch in regardless of other source being in.
PA volume is also adjustable via the volume control on the microphone. PA volume control from the microphone is not applicable to AUX source volume setting of the unit.

Audio Input

The unit supports audio input through 3.5mm AUX jack on the front or the RCA sockets on the back.

3.5mm AUX input
Using an audio cable with 3.5mm plug, connect the AUX jack on the front to the headphone jack on your mobile phone or MP3 player. Then press **SRC** to select "AUX IN-F" (front AUX input).

RCA audio input
Using an audio cable with RCA plugs, connect the RCA sockets on the back to RCA audio outputs on a playback device (e.g. a CD player or VCR). Then press **SRC** to select "AUX IN-R" (rear AUX input).

USB Charging

The USB port on the unit only supports charging a mobile phone, and the maximum charging capacity is 5V / 1A. The USB port is not used for media playback.

Specifications

General

Power supply requirement..........................DC 12 V
Maximum power output ....50 W x 4
Speaker impedance ....4 - 8 Ohm
Unit dimensions (W x H x D) ....7.0" X 2.0" X 4.25"
Weight ....1.32 lb (0.6 kg)
Fuse ....15 A

USB

USB Charging 5V/1A
                                                    Not for media playback

PA Microphone ....PAK104 Microphone Pack
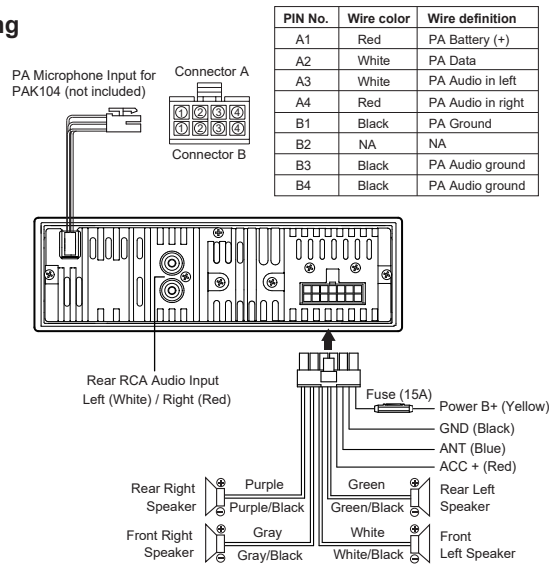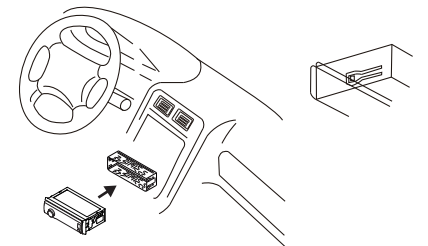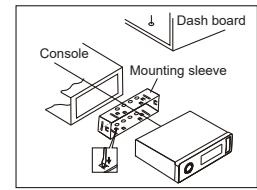   (not included)
                                                    Available from MITO Corporation
                                                    (888) 433-6486

Troubleshooting

If you suspect something is wrong with the unit, immediately power the unit off. Do not use if the unit is acting abnormal, such as not providing, sound, emitting smoke or a foul smell. Never try to repair the unit yourself, rather contact the place of purchase for repair information.
Using or attempting to repair a damaged unit is dangerous as it can cause a fire or an electrical shock.

The unit does not work.
■ Car's engine switch is not on.
  Turn you car's key to ACC or ON position.

■ Unit still does not work.
  Check to make sure all connections are properly done.

■ Fuse is burnt.
  Replace the fuse with the same type and rating.

■ Volume is muted or too low.
  Check volume or mute on/off. Adjust volume to a desired level. Check source volume as well.

■ One or more buttons do not function.
  The internal micro- computer is not operating properly. Press the RESET button to reset the unit.

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