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› Pioneer MVH-S120UB | 1DIN Car Radio with RDS | Red | Half Installation Depth | 4 x 50 Watt | USB | MP3 | AUX Input | Android Support | 5-Band Equalizer | ARC App

Pioneer MVH-S120UB

Pioneer MVH-S120UB Car Radio User Manual

Model: MVH-S120UB | Brand: Pioneer

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Pioneer MVH-S120UB 1DIN Car Radio. Designed for digital media playback, this unit features a half installation depth, USB and AUX inputs, and support for Android devices. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.

The Pioneer MVH-S120UB is equipped with a 4 x 50 W MOSFET amplifier, offering excellent sound quality. It includes two RCA preamp outputs for connecting additional amplifiers or a subwoofer. Key features include RDS, FM/MW/LW radio with 24 station memory, USB input for MP3, WMA, WAV, FLAC files, AUX input, Remote App Control for Android (AOA 2.0), 5-band equalizer, Dynamic Bass Enhancer, Advanced Sound Retriever, and memory backup.

IMPORTANT SAFETY INFORMATION

- Always operate the unit in a safe and responsible manner. Distracted driving can lead to serious injury or death.
- Do not attempt to disassemble or modify the unit. This can cause electric shock or other hazards.
- Ensure proper ventilation around the unit to prevent overheating.
- Keep the unit away from water and excessive moisture.
- Use only specified power supply and cables. Incorrect connections can cause fire or damage.
- Consult a qualified technician for installation if you are unsure about any steps.

SETUP AND INSTALLATION

The MVH-S120UB features a half installation depth, making it suitable for a wide range of vehicles. The package includes the radio unit, an ISO connection cable, a universal 1 DIN mounting frame, and removal tools for disassembly.

Package Contents:

- Pioneer MVH-S120UB Car Radio Unit
- ISO Connection Cable
- Universal 1 DIN Mounting Frame
- Removal Tools (2 pcs)

Installation Steps:

1. **Prepare the Dashboard:** Ensure the 1 DIN opening in your vehicle's dashboard is clear and ready for installation.
2. **Install Mounting Frame:** Insert the universal 1 DIN mounting frame into the dashboard opening. Bend the tabs on the frame outwards to secure it firmly in place.
3. **Connect Wiring:**
 - Connect the ISO connection cable to your vehicle's wiring harness. Ensure all power, ground, and speaker wires are correctly matched.
 - If using external amplifiers or a subwoofer, connect them to the two RCA preamp outputs located at the rear of the unit.
 - Connect the antenna cable.
4. **Slide in the Unit:** Carefully slide the Pioneer MVH-S120UB unit into the mounting frame until it clicks into place.
5. **Test Functionality:** Turn on your vehicle's ignition and test the car radio's basic functions (power, radio, USB, AUX, sound output).
6. **Attach Faceplate:** Secure the detachable faceplate to the main unit.



Figure 1: Front view of the Pioneer MVH-S120UB car radio, showing the display, control knob, and buttons.



Figure 2: Angled view of the Pioneer MVH-S120UB, illustrating the front USB and AUX input ports.

OPERATING INSTRUCTIONS

Basic Operations:

- **Power On/Off:** Press the **SRC** button to turn the unit on. Press and hold the **SRC** button to turn it off.
- **Volume Control:** Rotate the large central knob to adjust the volume level.
- **Source Selection:** Press the **SRC** button repeatedly to cycle through available sources: Tuner (FM/AM), USB, AUX.
- **Display Brightness:** Press the **BAND/DIMMER** button to adjust display brightness.

Radio Operations:

- **Band Selection:** In Tuner mode, press the **BAND/DIMMER** button to switch between FM1, FM2, FM3, MW, and LW bands.
- **Station Tuning:** Use the << and >> buttons to manually tune or seek for stations.
- **Preset Stations:** The unit supports 24 station memory presets. Press and hold a numbered button (1-6) to store the current station. Briefly press to recall a stored station.
- **Best Station Memory (BSM):** This feature automatically stores the strongest stations in the selected band. Refer to the on-screen menu for activation.
- **RDS (Radio Data System):** Displays station information such as program type, station name, and traffic announcements where available.

USB and AUX Playback:

- **USB Connection:** Connect a USB storage device (e.g., USB flash drive) or an Android smartphone to the front USB port. The unit supports MP3, WMA, WAV, and FLAC audio formats. Your smartphone will also charge while connected via USB.
- **AUX Input:** Connect an external audio player (e.g., portable music player) to the front 3.5mm AUX input jack using a stereo mini-jack cable.

- **Playback Controls:** Use the **PLAY/PAUSE**, **SKIP**, and **REWIND/FAST FORWARD** buttons for media control.

Audio Settings:

- **Equalizer (EQ):** Press the **EQ** button to access the 5-band equalizer. Use the control knob to select and adjust frequency bands to customize your sound.
- **Dynamic Bass Enhancer:** Activates a dynamic bass boost for richer low-frequency sound.
- **Advanced Sound Retriever (ASR):** Improves the sound quality of compressed digital audio files (like MP3s) by restoring lost data.
- **Subwoofer Control:** Adjust subwoofer output levels and crossover frequencies (high-pass filter) through the audio settings menu.

Android Support and ARC App:

- **Android Music Playback:** Connect your Android smartphone via USB for direct music playback (AOA 2.0 support).
- **Pioneer ARC App:** Download the Pioneer ARC (Advanced Remote Control) app on your Android device. Connect your phone via USB to the MVH-S120UB. The app allows you to control various functions of the car radio directly from your smartphone, including source selection, audio settings, and more.

Memory Backup:

The unit features memory backup, which retains your settings and station memory even if the car battery is completely disconnected. This ensures your personalized settings are preserved.

MAINTENANCE

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the unit's surface. For stubborn dirt, dampen the cloth with a small amount of neutral detergent and wipe gently. Never use abrasive cleaners, solvents, or strong chemicals.
- **Cleaning the Connectors:** Periodically check the USB and AUX ports for dust or debris. Use a soft brush or compressed air to gently clear them.
- **Detachable Faceplate:** When removing the faceplate, handle it carefully to avoid scratches or damage to the connectors. Store it in a protective case when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Vehicle ignition off.	Check power and ground connections. Inspect vehicle's fuse box and the unit's fuse. Turn vehicle ignition to ACC or ON.
No sound	Volume too low; Mute activated; Speaker wires disconnected; Incorrect source selected.	Increase volume. Deactivate mute. Check speaker connections. Select correct audio source.
USB device not recognized	Incompatible format; Damaged USB device; Loose connection.	Ensure files are MP3, WMA, WAV, or FLAC. Try a different USB device. Reconnect the USB device firmly.
Radio reception is poor	Antenna not connected; Weak signal area; Interference.	Check antenna connection. Try tuning to a stronger station. Move away from sources of electrical interference.
ARC App not connecting	Android device not connected via USB; App not installed; App permissions.	Ensure phone is connected via USB. Install Pioneer ARC app. Check app permissions on your phone.

SPECIFICATIONS

Brand	Pioneer
Model	MVH-S120UB
Product Dimensions	8 x 17.8 x 5 cm
Item Weight	780 g
Output Wattage	50 Watts (Max), 4 x 22 W DIN sinus
Connectivity Technology	USB
Compatible Devices	Speakers, Smartphones (Android)
Special Features	RDS, Equalizer, Dynamic Bass Enhancer, Advanced Sound Retriever, Memory Backup
Audio Encoding	Stereo
Supported Media Formats	MP3, WMA, WAV, FLAC
Preamp Outputs	2 x RCA
Installation Depth	Half DIN

WARRANTY INFORMATION

Pioneer products are manufactured to the highest quality standards. This product is covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Pioneer website for your region.

CUSTOMER SUPPORT

If you encounter any issues not covered in the troubleshooting section or require further assistance, please contact Pioneer customer support.

- **Online Support:** Visit the official Pioneer website for FAQs, software updates, and additional support resources.
- **Contact Information:** Refer to the contact details provided on the Pioneer website for your specific region.