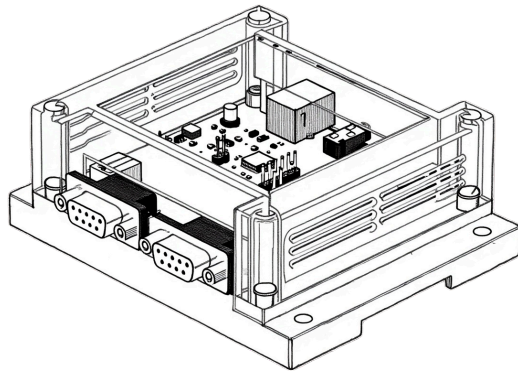


Audio Connection Box Quick Guide

Aug 2026

Introduction

Thank you for selecting the Audio Connection Box (VM-DHW-001.22) by V-Marine Oy. The device is designed to enable efficient integration between various Push-to-Talk (PTT) Handsets and Personal Computer. A solution includes all essential cables, such as Audio and USB, and functions without the need for an external power supply, ensuring a ready-to-use experience.



Hardware Requirements

- A computer (PC) with a 64-bit Microsoft Windows operating system installed (Windows 10 or Windows 11) featuring:
 - One available USB 2.0 port.
 - An integrated or discrete sound card with a stereo line-in and a stereo line-out interface (via 3.5 mm jacks).
- One USB Type-A to USB Type-B cable (**supplied with the device**).
- Two 3.5 mm (1/8") TRS (Tip-Ring-Sleeve) stereo male-to-male audio cables (**supplied with the device**).
- Adapter, if necessary (**NOT included in delivery**, please see J10 Voltage Selection for details)



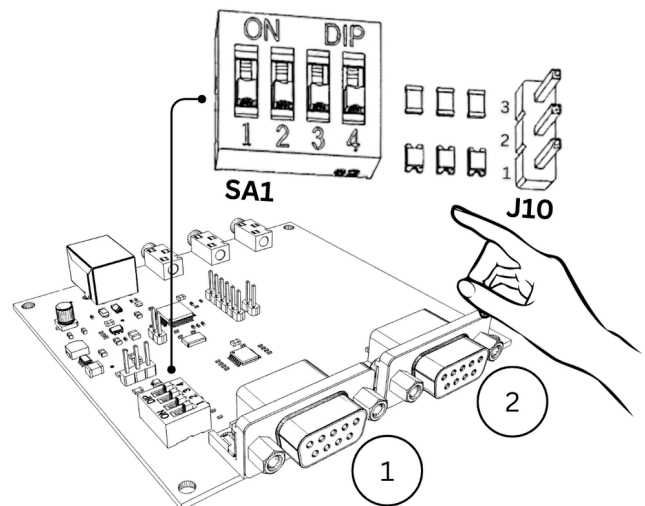
WARNING: Prior to connecting the device to a PC, the handset type must be identified, and the J10 jumper on header must be set to the corresponding position to select the required output voltage (**0V, 5V, or 12V**) for powering the handset. Applying an incorrect voltage to the handset may cause irreparable damage.

Safety and Procedural Notice

The device receives power via its USB connection. To ensure safety and prevent damage, all cable connections, disconnections, and changes to the device's operating mode must be performed **only when the device is powered off**. The correct procedure is as follows:

1. Ensure the device is not connected to a PC (USB cable is unplugged).
2. Perform any necessary operations (e.g., setting jumpers, connecting audio cables).
3. Once all configurations are complete, connect the USB cable to the PC.

Device Configuration Overview



The device is configured using a combination of two hardware settings:

- ☐ **J10 Voltage Selection:** The jumper on header is used to set the correct output voltage (0V, 5V, or 12V) required by the connected handset.
- ☐ **SA1 Operating Mode Selection:** The DIP switches are used to set the operating mode (Handset or Headset) individually for the front-panel Connector 1 and Connector 2.

J10 Voltage Selection

To operate correctly, the device must be configured for the specific handset in use.

Handset	Adapter	J10 Contact	Power Mode
Sailor 6201, 6202	VM-DHW-010-SLR6	2&3	12v
Sailor 6201, 6202	AKUB.468345.007	1&2	5v
Handset A15	N/A	none	0v (default)
Wartsila Headset	VM-DHW-10-HEADST	none	0v (default)
Sailor H5001	N/A	1&2	5v
JRC NQW-261	VM-DHW-010-JRC	1&2	5v

SA1 Operating Mode Configuration

The operating mode for the audio connectors on the front panel (Connector 1 and Connector 2) is selected via DIP switch. Simple rule: set SA1 DIP Switch 1/2 to ON to use a Handset 1/2 on Connector 1/2, or to OFF for a HEADset. **Note:** DIP switches 3 and 4 on this bank are reserved and should remain in the OFF position.

Connecting to MS Windows OS

Upon connecting the device to a computer's USB interface, the Windows OS will automatically detect the hardware and install the appropriate driver. The device will appear in the **Devices and Printers** section of the Control Panel, identified as **Sim Joystick**. Within the device properties, a test window with button status indicators is available, allowing the user to verify the correct operation of the handset or headset buttons.

Connection Diagram

