TRBOnet
Digital Technologies

Media Dock

TRBOnet Swift MD2000

Passport

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Contents

1. Product description

TRBOnet Media Dock is a hardware sound blaster designed to connect one Motorola Gooseneck Microphone (B1914A), one Motorola Keypad Microphone (PMMN4089A) and two Motorola Speakers (B1912) to a USB port of a computer. The Media Dock performs an analogue-to-digital conversion of the audio signal received from the microphones and detects microphone button presses and releases. The digital audio stream and data packets are transmitted to the USB port of the computer. The Media Dock performs a digital-to-analogue conversion of the audio signal received from the PC USB port and sends the audio stream to connected speakers. Each speaker can be used as an independent audio device for different audio streams.

TRBOnet Media Dock requires external power supply and should be compatible with power supply used for charging MOTOTRBO portable radios.

2. Features

- Easy connection and setup
- Compatible with Motorola Gooseneck Microphone (B1914A)
- Compatible with Motorola Keypad Microphone (PMMN4089A)
- Compatible with Motorola Speakers (B1912)
- Integration with TRBOnet Dispatch Console (version 5.2 and higher)
- Powered from external power supply
- LED indication for microphone connection, and PTT/Monitor button press
- LED indication for each Speaker output
- Compatible with Windows 7, Windows 8, and Windows 10

3. Package contents

Item	Description	Quantity
TRBOnet Media Dock	The hardware sound blaster	1
USB Cable	The cable to connect Media Dock to PC	1
Passport	Technical documentation for TRBOnet Swift Media Dock MD2000	1

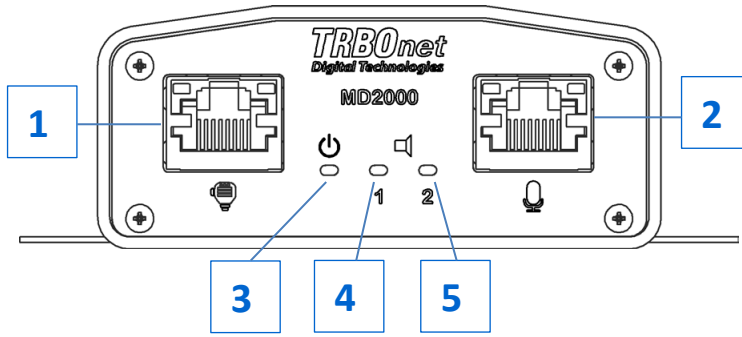
Note that Motorola Microphones (B1914A, PMMN4089A) and Speakers (B1912) and the appropriate connection cables are not included in the package contents.

4. Specification

General	
Dimensions	80 x 85 x 35mm
Weight	200 g
Operational temperature	+5° C to +45° C
Storage temperature	0 ° C to +50° C
Operational Humidity	8% to 80%
Storage Humidity	8% to 85%
Power supply	
Jack Type	DC Jack 5.5 x 2.5 x 14 mm
Voltage	12 V +/- 10%, stabilized
Current, min	1.5 A
Connectors and interfaces	
Programming connector to PC	USB, Type B
Microphone connection, right side	MSI Proprietary (B1914A compatible)
Microphone connection, left side	MSI Proprietary (PMMN4089A compatible)
Speaker connection 1	MSI Proprietary (B1912 compatible)
Speaker connection 2	MSI Proprietary (B1912 compatible)
Analogue to digital audio conversion	
Channels	2
Output size	16 bit
Sampling rate	8 KHz
Digital to analogue audio conversion	
Channels	2
Output size	16 bit
Sampling rate	8 KHz

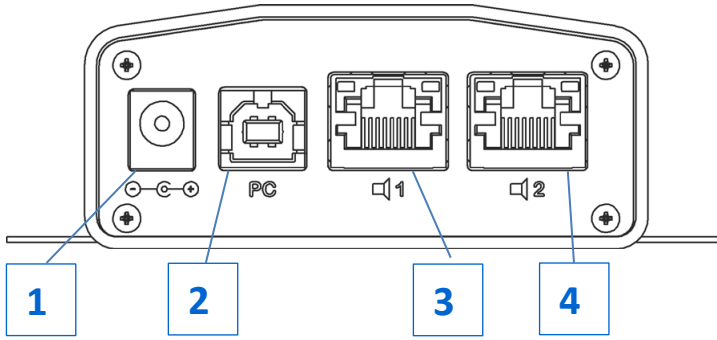
5. Panels: Connectors and Indicators

Front Panel



#	Connector/Indicator	Description
1	RJ45	The port for connecting Motorola PMMN4089A microphone. The left LED indicates connection detection (green = ok). The right LED indicates PTT and Monitor button press (red = PTT pressed, green = Monitor pressed, yellow = both buttons pressed).
2	RJ45	The port for connecting Motorola B1914A microphone. The left LED indicates connection detection (green = ok). The right LED indicates PTT and Monitor button press (red = PTT pressed, green = Monitor pressed, yellow = both buttons pressed).
3	LED	Power indicator (green = ok)
4	LED	Speaker 1 activated from TRBOnet
5	LED	Speaker 2 activated from TRBOnet

Rear Panel



#	Connector	Description
1	DC power inlet	Power inlet for a DC Jack
2	USB, Type B	The port for connection to the PC
3	RJ45	The port for connecting Motorola B1912 Speaker 1
4	RJ45	The port for connecting Motorola B1912 Speaker 2

6. General safety

The following are additional general safety precautions that must be observed:

- To continue compliance with any applicable regulations and maintain the safety of this equipment, do not install substitute parts or perform any unauthorized modifications.
- All equipment must be serviced by qualified personnel only.
- If troubleshooting the equipment while the power is on, be aware of live circuits which could contain hazardous voltage.
- Do not operate the radio transmitters unless all RF connectors are secure and all connectors are properly terminated.
- All equipment must be properly grounded for safe operation.
- Slots and openings in the cabinet are provided for ventilation. Do not block or cover openings that protect the devices from overheating.
- Some equipment components can become extremely hot during operation. Turn off all power to the equipment and wait until sufficiently cool before touching.
- Never store combustible materials in or near equipment racks. The combination of combustible material, heat and electrical energy increases the risk of a fire hazard.
- RF energy burn hazard. Disconnect power in the cabinet to prevent injury before disconnecting and connecting antennas.
- Shock hazard. The outer shields of RF cables outer shields must be grounded.

7. Transportation and storage

During transportation, the device shall not be exposed to precipitation.

The device shall be stored in the original delivery package in a dry place. No acids, alkalis, or other chemical substances able to cause corrosion or malfunction of the device shall be stored near it.

8. Warranty

The manufacturer guarantees that the TRBOnet Swift MD2000 media dock will conform to its current technical specifications from the date of original delivery for the warranty period, if properly transported, stored, installed, set up, and operated.

The warranty period is 12 months after the delivery date.

Any claim under this warranty must be submitted before the end of the warranty period to the reseller with a detailed description of the hardware defect.

Manufactured by:

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