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dBTechnologies RW 16MSBS- HF PLL System Handheld Set

dBTechnologies RW 16MSBS- HF PLL System Handheld Set User Guide

Contents

dBTechnologies

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Product Information

Specifications

- **Product Name:** RW 16MS/BS
- **Main Technical Specifications:** RW 16R Receiver
- **Frequency Range:** 823-832 MHz / 863-865 MHz
- **Number of Channels:** 16
- **Total Harmonic Distortion:** (THD)

Product Usage Instructions

Setup

1. Unbox the RW 16MS/BS package and ensure all components are included.
2. Connect the power adapter to the RW 16R Receiver.
3. Connect the audio output of the receiver to your desired audio system using the provided cables.
4. Ensure that the receiver and audio system are powered on.

Frequency Selection
The RW 16MS/BS offers two frequency ranges: 823-832 MHz and 863-865 MHz. To select the desired frequency:

1. Press the "Frequency" button on the receiver.
2. Use the arrow keys to navigate through the available frequency options.
3. Press the "Enter" button to confirm the selected frequency.

Channel Selection
The RW 16MS/BS provides 16 channels for audio transmission. To select a specific channel:

1. Press the "Channel" button on the receiver.
2. Use the arrow keys to browse through the available channel options.
3. Press the "Enter" button to set the desired channel.

Monitoring and Adjustments

The RW 16MS/BS allows you to monitor and adjust various settings:

- **Signal Strength:** The receiver displays the signal strength on the LED screen. Ensure a strong signal for optimal audio quality.
- **Volume Control:** Adjust the volume level using the dedicated volume buttons on the receiver.
- **THD Monitoring:** The receiver provides THD measurements to monitor audio distortion. Keep THD levels as low as possible for clear sound reproduction.

FAQ (Frequently Asked Questions)

- **Q: How do I connect the receiver to my audio system?**
  A: Connect the audio output of the receiver to your audio system using the provided cables. Ensure the cables are securely connected to both devices.
- **Q: Can I use multiple RW 16MS/BS systems simultaneously?**
  A: Yes, you can use multiple RW 16MS/BS systems simultaneously by selecting different frequencies and channels for each system to avoid interference.
- **Q: How far can the RW 16MS/BS transmit audio?**
  A: The transmission range of the RW 16MS/BS depends on various factors such as obstacles and interference. In optimal conditions, it can transmit audio up to 100 meters.

The warnings in this manual must be observed together with the "USER MANUAL – Section 2".
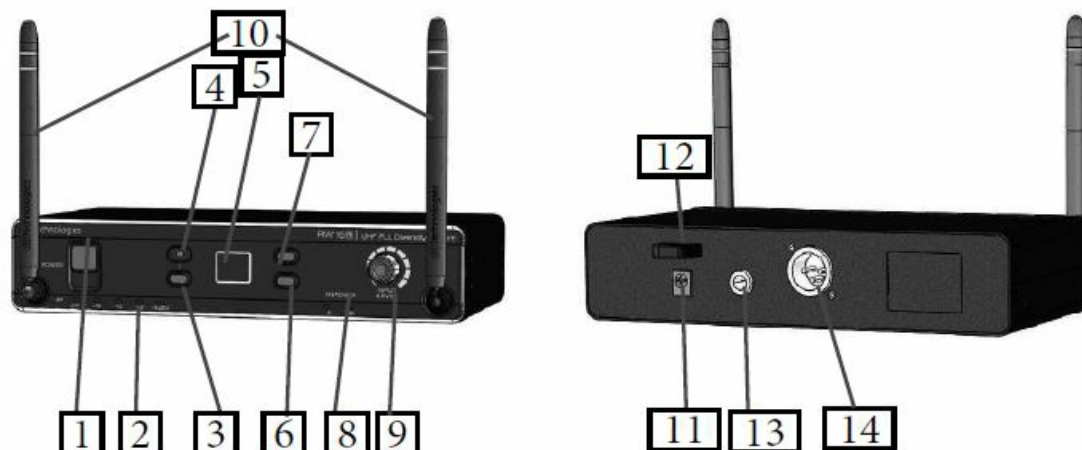
Thank you for choosing a technology product!
RW 16 is a wireless diversity system that can operate in 823-832 MHz / 863-865 MHz UHF bands. It comes in two different versions: a handheld set or a bodypack set (with headset included). 16 channels are available to the user. A simplified synchronization procedure allows immediate use. Two output types (balanced/unbalanced) increase the versatility of the system.
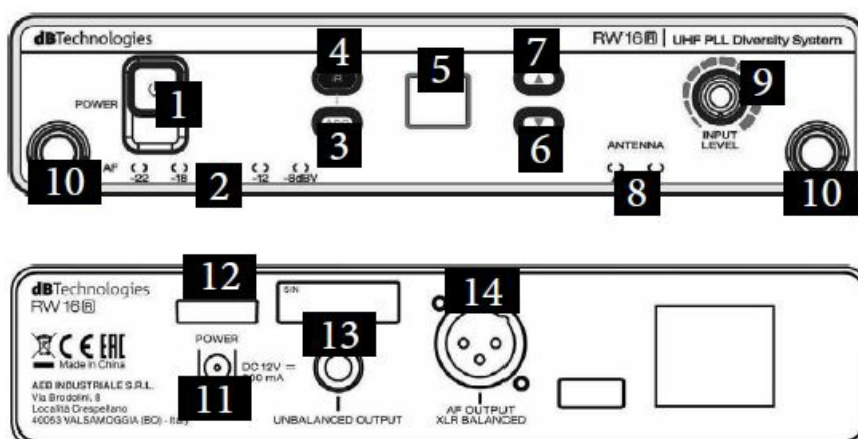
PACKAGE CONTENT

- RW 16R receiver
- RW 16M handheld wireless microphone/RW 16B bodypack wireless transmitter with headset
- Power adapter
- Unbalanced audio cable
- Batteries
- This quickstart e-warranty/documentation

RW 16R RECEIVER

1. POWER BUTTON

2. AF LEVEL METER

3. ASC BUTTON

4. IR PORT

5. DISPLAY

6. DOWN BUTTON

7. UP BUTTON

8. ANTENNAS STATUS

9. INPUT LEVEL

10. ANTENNAS

11. DC POWER INLET

12. CABLE LOOKER

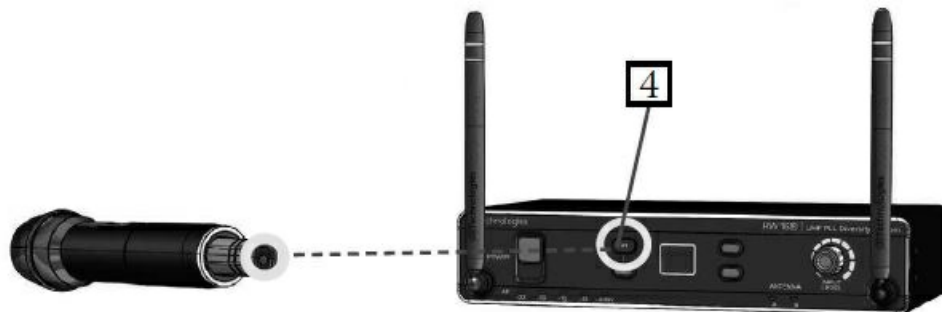13. TRS UNBALANCED OUTPUT

14. XLR BALANCED OUTPUT

RW 16M HANDHELD – SYNCHRONIZATION

- **A.** LED
- **B.** ON/OFF SWITCH
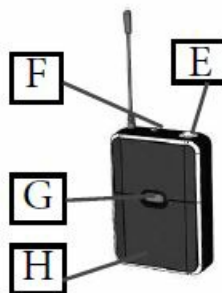- **C.** BATTERY COVER
- **D.** IR PORT

- Plug and turn on the receiver (press 1 button for 1″)
- Insert the battery by removing the C cover and turn on the transmitter (press B switch for 3″)
- Align the IR ports as shown below
- Press on the receiver the ASC button, and the display starts blinking until the synchronization is ok.

RW 16B BODYPACK – SYNCHRONIZATION

- **E.** MINI-XLR CONNECTOR
- **F.** STATUS LED
- **G.** ON/OFF SWITCH
- **H.** BATTERY COVER

- Plug and turn on the receiver (press 1 button for 1″)
- Insert the battery by opening the H cover and turn on the transmitter (press G switch for 3″)
- Align the IR ports as shown below
- Press on the receiver the ASC button, the display starts blinking until the synchronization is ok.

Specification

MAIN TECH SPECS – RW 16R RECEIVER

Available frequency bands	823-832 MHz / 863-865 MHz
Channels	16
Frequency response	60 Hz – 15 kHz (± 3 dB)
THD	<1%
Controls	Power, ch up, ch down, ASC, input level
Dimensions (mm) | [inch.]	212 x 44 x 115 [8.34" x 4.25" x 1.73"]
Weight (g) [oz.]	400 [0,4)

MAIN TECH SPECS – RW 16B BODYPACK TRANSMITTER

Frequency response	60 Hz – 15 kHz (± 3 dB)
Input	mini-XLR for headset
Controls	gain, ON/OFF
RF power	10 mW
Power supply	2 AA LR6 1.5 V batteries
Dimensions (mm) | [inch.]	64 x 90 x 23 [2.51" x 0.91" x 3.54"]
Weight (g) [oz.]	80 [0.08]
Headset	Omnidirectional included

MAIN TECH SPECS – RW 16M HANDHELD TRANSMITTER

Frequency response	60 Hz – 15 kHz (± 3 dB)
Capsule	dynamic, interchangeable
Controls	ON/OFF
RF power	10 mW
Power supply	2 AA LR6 1.5 V batteries
Dimensions (mm) | [inch.]	254 x 52.5 diam. [10" x 2.06" diam.]
Weight (g) [oz.]	250 [0.25]

RED CERTIFICATION

This equipment conforms with RED directive 2014/53/EU about the following harmonized standards:

- Health & Safety EN 62479 / EN 60950-1+A11+A1+A12+A2
- EMC EN 301 489-1 v2.2.0, EN 301 489-9 v2.1.1,
- Spectrum EN 300 422-1 v2.1.2

SIMPLIFIED EU DECLARATION OF CONFORMITY

- Hereby, AEB Industriale declares that the radio equipment RW 16 SYSTEM is in compliance with Directive 2014/53/EU.
- The full text of the EU Declaration of Conformity is available at the following internet **address: http://www.dbtechnologies.com/it/downloads/**
- Scan with your QR reader App to download the complete user manual and the full text of the EU Declaration of Conformity.

Check the complete user manual on **www.dbtechnologies.com** for further information about the system and available accessories.

Features, specifications and appearance of products are subject to change without notice. Technologies reserves the right to make changes or improvements in design or manufacturing without assuming any obligation to change or improve products previously manufactured.

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Documents / Resources

	dBTechnologies RW 16MSBS- HF PLL System Handheld Set [pdf] User Guide RW 16MSBS- HF PLL System Handheld Set, RW 16MSBS- HF, PLL System Handheld Set, System Handheld Set, Handheld Set, Set

References

- **AEB Software for Global Trade and Logistics**
- **dBTechnologies - Professional Audio Equipment**
- **Manual-Hub.com - Free PDF manuals!**
- **User Manual**