Pyle PDWM2140 VHF Wireless Microphone Systems User Manual

Contents

Pyle PDWM2140 VHF Wireless Microphone Systems

DESCRIPTION

In the realm of audio technology, the Pyle PDWM2140 VHF Wireless Microphone System stands out as a versatile option. This article explores the system's features and benefits, highlighting its significance in the audio industry.

- **Embracing Wireless Freedom**
  The Pyle PDWM2140 VHF Wireless Microphone System offers the freedom of movement for speakers and performers. Operating on the VHF spectrum, it ensures reliable signal transmission over distances, freeing users from the constraints of cables.
- **Enhanced Signal Stability**
  A notable feature is the dual-channel diversity setup, which improves signal stability by automatically selecting the strongest frequency from two channels. This minimizes interference issues, crucial for events in crowded environments.
- **User-Friendly and Adaptable**
  The PDWM2140 is designed for various users, from novices to professionals. Its easy setup and plug-and-play design make it accessible, while the two handheld microphones, equipped with dynamic cardioid capsules, ensure clear audio pickup and noise reduction.
- **Impressive Audio Quality and Reach**
  With exceptional audio quality, the microphones capture speech nuances effectively. The microphones' dynamic range allows for powerful projection and subtle expression, while the VHF technology offers a wide operating range suitable for diverse venues.
- **Thoughtful Design**
  The microphones' ergonomic design ensures comfortable handling during extended use, and their durability is apt for frequent transportation. The compact receiver unit seamlessly fits into audio setups, boasting standard 1/4-inch output jacks and a mixed output option.
- **Points to Note**
  While the PDWM2140 offers numerous advantages, potential buyers should consider the VHF frequency's

susceptibility to interference in environments with high wireless device usage.

- **In Conclusion**
  The Pyle PDWM2140 VHF Wireless Microphone System presents an appealing option for wireless audio needs without compromising quality. Its user-friendly design, dual-channel diversity technology, and dependable VHF transmission cater to various applications, establishing it as a valuable product in the audio market.

Each Wireless Microphone System operates within the qualified wireless operating frequency range listed as: 174-216MHz.

This microphone system operates on high-efficiency, low-consumption discharging techniques. Performance features include independent developed mobile frequency compression,expander circuitry, image frequency limiting circuits, multiple-checked silent and noise-free circuits, antenna diversity receiving circuit & switch impact noise defeat circuits.

The PDWM2135 – PDWM2140 – PDWM2145 were manufactured to be easy to use and still give you professional performance quality.

Simple Installation and Operation

Please note- select models come equipped with different transmitters and microphones.

- Unscrew the bottom of the microphone (or slide open the battery compartment tray of the belt-pack transmitter) to install two ‘AA’ Batteries. Screw the Battery cap back on.
- Plug your receiving unit into your mixer or amplifier with a 1/4″ mono microphone cord.
- Plug the receiving unit into your electrical wall outlet.
- Turn the receiver ON by using the ON/OFF switch located at the front of the unit.
- There is a switch located on each of the two microphones that turns each microphone ON/OFF & mutes them individually.

FEATURES AND SPECIFICATIONS

PDWM2135

System Features

- VHF Narrow Band Receiver System
- Dual Frequency Design (Channel A/B)
- High Signal/Noise Ratio Performance
- Broad Frequency Response Range & Low Distortion
- Independent Adjustable Volume Control
- Dual Independent Channel Antennas
- RF Signal and AF Signal LED Indicators
- Radio Frequency and Audio Frequency

Handheld Microphones

- **RF Power Output:** >13dBm
- **Modulation Degree:** >30KHz
- **Power Current:** <110mA
- **Harmonic at Higher Degree:** <60dB
- **Modulation Pattern:** FM
- Battery Powered, Require (2) x ‘AA’ Batteries -Each

System Receiver

- **Sensitivity:** -95dBm (S/N:12dB)
- **RF Image Rejection:**-75dB
- **Audio Dynamic Range:** 95dB
- **T.H.D.:** <1%
- **S/N Ratio:** >70dB
- **Neighboring Channel / Interference:** >70dB
- **Power:** AC 120V, 60Hz
- **Receiver Dimensions (L x W x H):** 8.07” x 5.75” x 1.64”

What’s in the Box

- Receiver Base
- (2) Handheld Microphones

PDWM2140

Features

- VHF Narrow Band Receiver System
- Dual Frequency Design (Channel A/B)
- High Signal/Noise Ratio Performance
- Broad Frequency Response Range & Low Distortion
- Independent Adjustable Volume Control
- Dual Independent Channel Antennas
- RF Signal and AF Signal LED Indicators
- Radio Frequency and Audio Frequency

Transmitters

- RF Power Output: >13dBm
- Modulation Degree: >30KHz
- Power Current: <110mA
- Harmonic at Higher Degree: <60dB
- Modulation Pattern: FM
- Battery Powered, Require (2) x ‘AA’ Batteries -Each

System Receiver

- **Sensitivity:** -95dBm (S/N:12dB)
- **RF Image Rejection:-**75dB
- **Audio Dynamic Range:** 95dB
- **T.H.D.:** <1%
- **S/N Ratio:** >70dB
- **Neighboring Channel / Interference:** >70dB
- **Power:** AC 120V, 60Hz
- **Receiver Dimensions (L x W x H):** 8.07” x 5.75” x 1.64” -inches

What’s in the Box

- Receiver Base
- Handheld Microphone
- Body-Pack Transmitter
- Lavalier Microphone
- Headset Microphone
- 1/4” Audio Connection Cable

PDWM2145

System Features

- VHF Narrow Band Receiver System
- Dual Frequency Design (Channel A/B)
- High Signal/Noise Ratio Performance
- Broad Frequency Response Range & Low Distortion
- Independent Adjustable Volume Control
- Dual Independent Channel Antennas
- RF (Radio Frequency) Signal Indicator
- AF (Audio Frequency) Signal Indicator

Belt-Pack Transmitters

- **Modulation Pattern:** FM
- **RF Power Output:** >13dBm
- **Modulation Degree:** >30KHz
- **Power Current:** <110mA
- **Harmonic at Higher Degree:** <60dB
- Battery Powered, Require (2) x ‘AA’ Batteries -Each

System Receiver

- **Sensitivity:** -95dBm (S/N:12dB)
- **RF Image Rejection:**-75dB
- **Audio Dynamic Range:** 95dB
- **T.H.D.:** <1%
- **S/N Ratio:** >70dB
- **Neighboring Channel / Interference:** >70dB
- **Power:** AC 120V, 60Hz
- **Receiver Dimensions (L x W x H):** 8.07” x 5.75” x 1.64”

What’s in the Box

- Microphone Receiver
- (2) Body-Pack Transmitters
- (2) Headset Microphones
- (2) Lavalier Microphones

FREQUENTLY ASKED QUESTIONS

What is the Pyle PDWM2140 VHF Wireless Microphone System?

The Pyle PDWM2140 is a VHF (Very High Frequency) wireless microphone system designed for various audio applications such as presentations, performances, and public speaking.

How many microphones are included in the PDWM2140 system?

The PDWM2140 system typically includes two wireless handheld microphones.

What is VHF frequency?

VHF frequency stands for Very High Frequency and refers to the range of radio frequencies from 30 MHz to 300 MHz.

What is the operating range of the PDWM2140 system?

The operating range of the PDWM2140 system can vary, but it's generally around 100 to 200 feet in an optimal line-of-sight environment.

What is the purpose of using a wireless microphone system?

Wireless microphone systems provide mobility and freedom of movement for performers, presenters, and speakers without being restricted by cables.

Are the microphones in the PDWM2140 system battery-powered?

Yes, the microphones in the PDWM2140 system are typically powered by batteries.

What type of batteries do the microphones use?

The microphones usually use AA batteries.

Does the PDWM2140 system come with a receiver?

Yes, the PDWM2140 system includes a VHF receiver that receives the wireless signals from the microphones.

How is the receiver connected to other devices?

The receiver can typically be connected to audio equipment, such as mixers or amplifiers, using audio cables.

Does the PDWM2140 system require any special setup?

Setting up the PDWM2140 system usually involves connecting the receiver to your audio equipment and ensuring that the microphones and receiver are on the same frequency.

Is the PDWM2140 system easy to set up for beginners?

Yes, the PDWM2140 system is generally designed to be user-friendly and suitable for beginners.

Can I use both microphones simultaneously?

Yes, the PDWM2140 system is designed for dual-channel operation, allowing you to use both microphones at the same time.

What is the frequency range of the PDWM2140 system?

The PDWM2140 system operates within the VHF frequency range, which typically spans from 170 MHz to 260 MHz.

Is the PDWM2140 system suitable for professional use?

The PDWM2140 system is more geared toward entry-level and intermediate users. Professionals might opt for higher-end systems with advanced features.

What is the typical signal quality of the PDWM2140 system?

The signal quality can be decent for basic applications, but it may be susceptible to interference compared to higher-end systems operating in different frequency ranges.