

DYNEX™

Dynex Wireless Professional Microphone

Microphone sans fil à usage professionnel de Dynex
Micrófono Inalámbrico Profesional de Dynex

DX-M1114

USER GUIDE

GUIDE DE L'UTILISATEUR • GUÍA DEL USUARIO

Dynex Wireless Professional Microphone DX-M1114

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Important safety instructions

Location

- Do not use your microphone system in an area with a high magnetic field.
- Make sure that the receiver is at least 10 feet (3 meters) above the floor and 10 feet (3 meters) from surrounding walls.
- Do not place the microphone system in direct sunlight. Do not expose the microphone system to rain or moisture.

Repairs

Do not try to repair your wireless microphone system yourself. Opening the receiver case or microphone housing could expose you to high electrical voltage. Refer all service to qualified service personnel.

Handling

- Do not drop the receiver or microphone.
- Do not set anything on top of the receiver.

Package contents

You wireless microphone system comes with:

- Microphone
- Audio cable
- Receiver
- Two AA batteries
- One 9 V battery
- User guide

Microphone system components

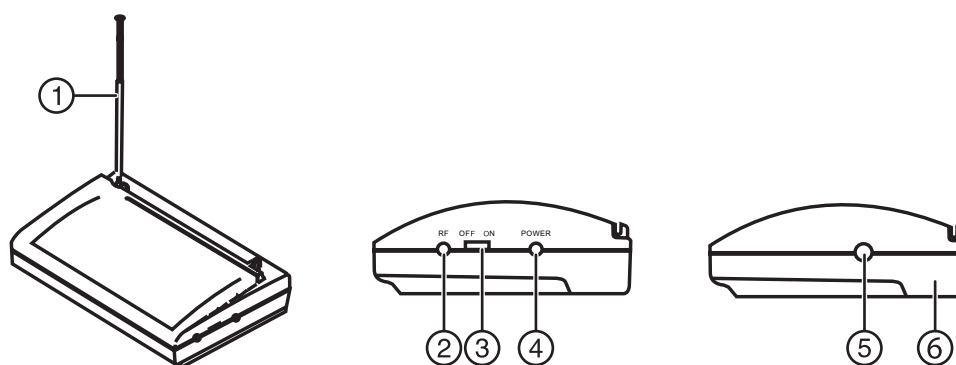
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You wireless microphone features:

- High-frequency and mid-frequency narrow band filters to reduce interference from stray signals
- Built-in microphone antenna
- Quartz crystal oscillating circuits that insures a steady frequency
- Audio compression and expansion technology that provide rich sound at low volume

Microphone system components

Receiver

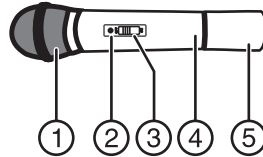


	Component	Description
1	Antenna	Receives RF signals from the microphone. Fully extend the antenna for the best reception.
2	RF indicator	Lights when receiving RF signals from the microphone.
3	OFF ON	Turns the receiver on and off.
4	POWER indicator	Lights when the receiver is turned on.
5	AUDIO OUT jack	Connect an external amplifier to this jack.
6	Battery compartment	Insert two AA into this compartment.

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Setting up your microphone system

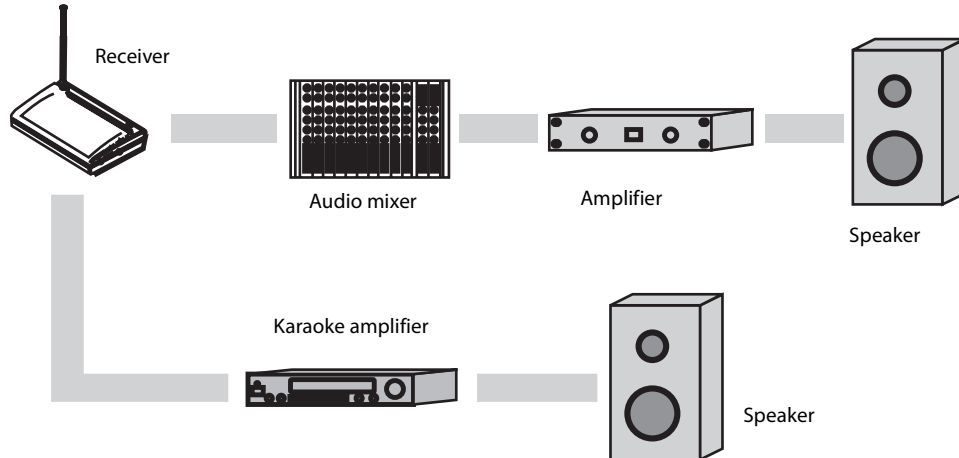
Microphone



	Component	Description
1	Screen head	Covers the microphone head.
2	Battery indicator	Lights when the battery charge is low.
3	ON/STB/OFF switch	Turns the microphone on or off, or puts the microphone in standby mode.
4	Microphone housing	Contains the microphone electronics.
5	Battery compartment	Insert a 9 V battery into this compartment.

Setting up your microphone system

The following illustration shows two basic ways to connect your receiver to an amplifier.



Note: When you install the receiver, make sure that it is at least 10 feet (3 meters) off the floor and at least 10 feet (3 meters) away from surrounding walls.

To set up the receiver:

- 1 Place the receiver on a flat, stable surface.
- 2 Fully extend the antenna, and make sure it is perpendicular to the receiver.
- 3 Plug one end of the audio cable into the AUDIO OUT jack on the receiver.

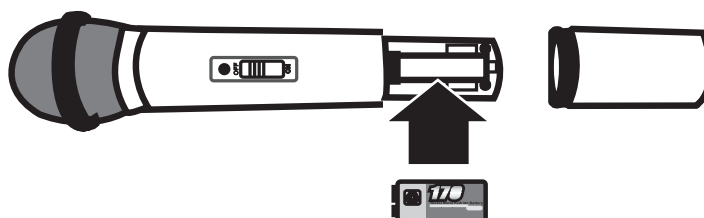
Using your microphone system

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- 4 Plug the other end of the audio cable into the MIX IN or AUX IN on an external amplifier.
- 5 Open the battery compartment, install two AA batteries into the battery compartment, then close the compartment. Make sure that the + and – symbols on the batteries align with the + and – symbols inside the battery compartment.
- 6 Slide the power switch to the ON position. The POWER indicator lights.

To install the microphone battery:

- 1 Unscrew the battery cover.



- 2 Insert the 9 V battery into the battery compartment. Make sure that the + and – symbols on the battery align with the + and – symbols inside the battery compartment.
- 3 Slide the cover to close the compartment.

Using your microphone system

To use your microphone system:

- 1 Turn on the receiver.
- 2 Turn on the microphone.
- 3 Adjust the volume on the amplifier, if necessary.

Troubleshooting

Caution: Do not open the receiver case or microphone housing. There are no user serviceable parts inside.

Symptom	Possible solution
Receiver is turned on, but POWER indicator does not light.	• Make sure that the power cord is plugged in securely. • Make sure that the electrical outlet is supplying power.
The AUDIO indicator lights when speaking into the microphone, but there is no sound.	• Make sure that the volume control on the amplifier is not set too low. • Make sure that the audio cable is connected securely to the receiver and amplifier.

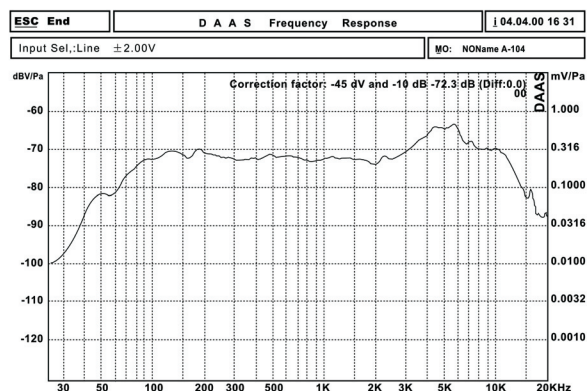
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Specifications

Symptom	Possible solution
The signal range is too small.	• Make sure that the antenna is fully extended. • Make sure that the microphone battery has a charge. • Make sure that the receiver or microphone are not located within a magnetic field.
Sound quality is poor.	• Make sure that the microphone battery has a charge. • Make sure that no other devices in the area are operating on the same frequency as your wireless microphone. Devices using the same frequency should be at least 328 feet (100 meters) apart.

Specifications

Typical frequency response



*Specifications***7****Specifications****Transmitter**

Carrier Frequency	VHF 174.1 to 215.6 MHz
Frequency stability	$< \pm 30$ PPM
Frequency response	50 Hz to 15 KHz ± 3 dB
Dynamic range	> 90 dB
Total harmonic distortion	$< 0.5\%$
Audio output level	Separate type: 0 to ± 400 mV Mix type: 0 to ± 200 mV
RF power output	30 mW
Current loss	60 mA
Range	65.6 ft. (20 m) (max.)
Pickup	Dynamic or condenser
Battery	9 V
Transmitter power	8.5 mW
Modulation type	FM, F3F
Maximum deviation	± 25 KHz
Spurious emission	> 40 dB (with carrier)
Battery life	6 to 8 hours

Receiver

Sensitivity	6 μ V @ sinad=12 dB
Spurious rejection	≥ 85 dB (typical)
Image rejection	> 75 dB (typical)
SNR	> 90 dB
AF output	0 to 300 mV
Receiving channel	1 channel
Power	DC 3 V
Power consumption	3 W
De-emphasis	50 μ S
Border on channel rejection	> 80 dB

8*Legal notices***Receiver**

Sensitivity	6 μ V @ sinad=12 dB
Spurious rejection	≥ 85 dB (typical)
Image rejection	> 75 dB (typical)
SNR	> 90 dB
AF output	0 to 300 mV
Receiving channel	1 channel
Power	DC 3 V
Power consumption	3 W

FCC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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