

SHURE

MICROFLEX[®] WIRELESS neXt

MXW neXt is available in 2, 4 and 8 channel count options – offering fully reimagined wireless collaboration with contemporary industrial design, pristine audio quality, and groundbreaking speed of set-up. Certified by leading videoconferencing platforms and cloud enabled for real-time remote management, experience seamless integration over an entire campus. With a first of its kind combined receiver and DSP, a choice of four redesigned microphone form factors, and scalable to a variety of meeting and classroom environments, MXW neXt sets the standard for best-in-class wireless.

APPLICATIONS

Small – Large Conferencing & Meeting Rooms

Higher-Education & Training

Live Events & AV Rental

zoom Certified

Certification applies to select configurations. See [shure.com](https://www.shure.com) for more details.

MICROFLEX[®] WIRELESS neXt SYSTEMS

FEATURES

- Vivid, lifelike sound: Performance-tested Microflex[®] microphone elements flawlessly capture full range audio for clear, detailed communication
- Versatile microphone selection: Wireless boundary, gooseneck, bodypack, and handheld models are available to fit any conferencing application
- Discreet designs: With elegant aesthetics and a low-profile footprint, Microflex Wireless neXt systems are designed to install easily and disappear into AV environments
- Scalable solutions: 2, 4 and 8 channel systems can be combined to support configurations of up to 160 compatible channels in High Density Mode. Adjustable power limits enable additional channels to operate in separate rooms
- Dante[™] and AES67 digital audio networking compatible: Integrated solution for transporting low latency, uncompressed audio over standard Ethernet networks
- Ethernet connectivity: All Microflex Wireless neXt networking components connect via Cat5e cable for simplified installation
- Advanced rechargeable power management: Smart lithium-ion rechargeable batteries deliver up to 39 hours of continuous use, enable remote status monitoring while in the charger and provide remaining runtime in hours and minutes while in use via networked control systems
- First-of-its-kind combined transceiver, networked charging station, and onboard IntelliMix DSP functionality (the APXDX2 also has a built-in networked charger, another first in the market as an all-in-one wireless system)
- Upgraded microphones outfitted with LCD screens for battery management and RF-monitoring and increased run-time for multi-day usage
- Three different networked charging station form factors - NDX2/4/8 that support bodypack, handheld, and boundary microphones, and NDX4G/8G that support boundary and gooseneck microphones
- Fully integrated with ShureCloud for remote control and management of a system and with Designer 6 for campus-wide room design & set-up
- Certified with Microsoft Teams and Zoom (Certifications apply to select configurations. See shure.com for more details.)
- Automated frequency coordination: Microflex Wireless neXt systems actively scan the available spectrum and coordinate clean, compatible frequencies for every microphone channel. While in use, systems automatically move away from unexpected interference
- Encrypted wireless: Audio transmission is protected by AES-256 encryption
- Selectable transmit power: Select the appropriate wireless output power per room to optimize spectrum usage, range, and battery life

SPECIFICATIONS (SUBJECT TO CHANGE)

RF Carrier Frequency Range	USA, Canada, Mexico: 1920 MHz – 1930 MHz Europe, Asia, Middle East: 1880 MHz – 1900 MHz
Working Range	Up to 45 m (150 ft) <i>Note: Outdoor and line-of-sight between user and APXD2. Actual range depends on RF power setting, signal absorption, reflections, and interference.</i>
Audio Frequency Response	30 Hz – 19 kHz (+0.5dB/3dB) <i>Note: Dependent on microphone type and audio output. Microphone transducers not included in measurement. APX/APXD2 set to Direct Mode.</i>
Latency	18 ms (nominal) <i>Note: MXW1/2/6/8X microphone input to APX/APXD2 output. APX/APXD2 set to SD RF Density Mode. Latency depends on output port and RF Density Mode.</i>
System Audio Polarity	Positive pressure on MXW1X/2X/6X/8X microphone diaphragm produces positive voltage on + pin (with respect to - pin) of APX/APXD2 analog output and a positive digital signal on the APX/APXD2 USB and Dante outputs.
Radio Transmission	Time Division Multiple Access (TDMA), Gaussian Frequency Shift Keying (GFSK), 365 kHz max. deviation
RF Sensitivity	< -90 dBm
Cable Requirements	Cat 5e or higher, shielded, 100 m maximum between network devices
Network Addressing Capability	DHCP, link-local, static
Operating Temperature Range	5°C(41°F) - 40°C (104°F)
Storage Temperature Range	-20°C (-4°F) to 60°C(140°F)





MXWAPXD2, MXWAPX4, MXWAPX8

ACCESS POINT TRANSCEIVERS

OVERVIEW

The APXD2 and APX4/8 are wireless access points compatible with Microflex® Wireless neXt microphone systems. They use automated frequency coordination to assign clean frequencies to wireless microphones and manage two-way wireless transmission of encrypted audio and control signals. The built-in IntelliMix DSP functionality enables groundbreaking flexibility and scalability.

FEATURES

- Slim profile: Lightweight, discreet unit with paintable cover (APX4 and APX8 only) to match interior room colors and blend into AV environments
- Easy installation: Includes wall/ceiling mounting plate (APX4 and APX8), and table top mounting (APXD2) and connects to the system over single Ethernet cable (PoE compatibility) or USB-C
- Scalable configurations: Available in 2, 4 or 8 channel models to fit varying channel count requirements, and multiple units can be combined support configurations of up to 80 compatible channels in SD mode and 160 compatible channels in HD mode (dependent on region of operation)
- Bi-directional wireless: Provides return channel audio to wireless transmitters and enables real time remote control of all wireless microphone settings
- Automated frequency coordination: Automatically scans available spectrum, coordinates clean frequency assignments, and moves channels away from unexpected interference
- Dante™ and AES67 digital networked audio: Transports low latency digital audio received from wireless microphones over Cat5e cable to any other Dante-equipped device
- Encrypted wireless: AES 256-bit encryption for secure transmission
- Selectable output power: Optimize spectrum usage by selecting the appropriate wireless output power for the desired operating range
- The APXD2 also has a built-in networked charging station making it the first all-in-one wireless microphone system for conferencing and higher education
- Diagnostic LEDs: Provide easy visual reference to system activity and indicate power, wireless connection, and network audio status (APX4 and APX8)



MXWAPXD2
Access Point Receiver



MXWAPX
Access Point Receiver

SPECIFICATIONS (SUBJECT TO CHANGE)

Network Interface	Dual-RJ45: Gigabit Ethernet, Dante digital audio
Power Requirements	APXD2: USB-C APX4 and APX8: Power over Ethernet (PoE) Class 0, 6.5W
Antenna Type	Internal Shure Custom PIFA
Housing	Molded Plastic, Cast Zinc
Dimensions	APXD2: 252.7mm × 202.7mm × 48.8mm (9.95" × 7.98" × 1.92") APX4 & APX8: 210.0mm x 210.0mm x 43.7mm (8.27" x 8.27" x 1.72")
Weight	APXD2: 1111g APX4 and APX8: 1010g

AVAILABLE MODELS

MXWAPX8	8-Channel Access Point Transceiver
MXWAPX4	4-Channel Access Point Transceiver
MXWAPXD2	2-Channel Access Point Transceiver and Charging Station

OPTIONAL ACCESSORIES

A-MXWAPX-CV	Paintable Cover for APX4/APX8
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MXWNDX & MXWNDXG

NETWORKED CHARGING STATIONS

OVERVIEW

The MXWNDX is a 2, 4, or 8 port Networked Charging Station compatible with Microflex® Wireless neXt microphone systems. Designed to complement boardroom aesthetics, Networked Charging Stations easily connect between conference room credenzas and AV rack closets over single or dual-Ethernet Ports via Cat5e cables.

FEATURES

- Remote charge status monitoring: Ethernet connection to the system enables remote monitoring of battery charge status in hours and minutes via the control software or third party control systems
- Easy transmitter linking: Assign docked wireless microphones to channels on an Access Point Transceiver by simply pressing "link"
- Rapid charge times: Reaches 50% charge in under 2 hours and fully charges transmitters in under 4 hours
- Overcharge protection: Smart recharging circuitry safeguards against battery damage and extends life cycles
- Ethernet connections can be daisy chained via dual RJ45 connectors without interruptions/breaks when firmware updating and resetting system (NDX4, NDX8 only)
- Update firmware on docked mics via Shure Update Utility
- 2 front panel LEDs per bay report battery charge levels and link status of audio channel associated to individual bay

SPECIFICATIONS (SUBJECT TO CHANGE)

Charge Time	MXW1X/MXW6X: 3 hours MXW2X/MXW8X: 3.5 hours
Network Interface	10/100 Mbps Dual Ethernet with Internal Switch 10/100 Mbps Single Ethernet with Internal Switch (NDX2)
Power Requirements	NDX4/8 (G): power button included, require a USB-C PSU connected to a locking USB-C socket NDX2: PoE powered (no power button)
Housing	Molded Plastic, Cast Zinc

AVAILABLE MODELS

MXWNDX2, MXWNDX4, and MXWNDX8	2-, 4-, and 8-bay Network Charging Station for MXW1X, MXW2X and MXW6X Transmitters
MXWNDX4G and MXWNDX8G	4- and 8-bay Network Charging Station for MXW6X and MXW8X Transmitters



MXWNDX8G
Networked Charging Station



MXWNDX4G
Networked Charging Station



MXWNDX8
Networked Charging Station



MXWNDX4
Networked Charging Station



MXWNDX2
Networked Charging Station



MXW1X HYBRID BODYPACK TRANSMITTER

OVERVIEW

The MXW1X is a hybrid bodypack transmitter compatible with Microflex® Wireless neXt systems. It offers both an integrated omnidirectional microphone and an input jack for connecting an ear-worn or lavalier style microphone. The integrated microphone is perfect for picking up speech while the bodypack is on a lanyard or tucked into a shirt pocket, and a belt clip is included for attachment to clothing.

FEATURES

- Compact, low-profile design: Fits comfortably into a shirt pocket or attached to clothing
- Integrated omnidirectional mic: Clearly captures full range audio without connecting an external microphone
- External microphone input: For connecting multiple styles of ear-worn or lavalier condenser microphones
- Bi-directional wireless: Enables return channel audio and real time remote control of all wireless microphone settings
- Earphone output via USB: Listen to audio from a return channel for translation, cueing, or program material
- Programmable mute button: Customize local or remote muting behavior per application, with options including push-to-talk, push-to-mute, and external control.
- Wide working range: Reliable wireless coverage extends up to 150 feet (45 meters)
- Out of range alert: Emits beeping sound when range limit is exceeded
- Wide frequency response: Captures full range audio for clear voice transmission
- Easy transmitter linking: Assign the microphone to an Access Point channel by simply docking it into a Networked Charging Station and pressing "link"
- Encrypted wireless: AES 256-bit encryption for secure transmission.
- Advanced Li-ion batteries: Smart lithium-ion internal batteries provide up to 17 hours continuous use, charge to full in 3 hours, and enable remote monitoring over the network of remaining runtime and charge status in hours and minutes
- Upgraded with LCD screens for battery management and RF-monitoring and increased run-time for multi-day usage
- USB charging: Connects to any standard USB power source for "always on" usage

SPECIFICATIONS (SUBJECT TO CHANGE)

Maximum Input Level	-1 dBV <i>Mic gain @ -16dB</i>
Headphone Output	Dual Mono <i>Will drive stereo and mono headphones</i>
Maximum Headphone Output Power	1.5 mW <i>8Ω load, 1 kHz sine wave</i>
Antenna Type	Internal Chip Antenna
Battery Type	Shure SB906 Rechargeable Li-Ion
Battery Life	Up to 17 hours continuous use <i>Note: Measured with a new battery. Runtimes vary depending on conditions like headphone level, battery health and RF density mode.</i>
Charge Connector	USB 2.0 Type C
Housing	Molded Plastic
Microphone Connector	4-Pin male mini connector (TA4M)
Input Impedance	~30 kΩ <i>@ 1 kHz</i>
Internal Microphone	Omnidirectional (20 Hz – 20 kHz)
Dimensions	101.5 mm × 47.0 mm × 23.5 mm (3.99" × 1.85" × 0.93")

AVAILABLE MODELS

MXW1X/0	MXW Bodypack Transmitter (without Lavalier Microphone)
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OPTIONAL ACCESSORIES

SB906	Replacement Battery for MXW1X and MXW6X Transmitters
AMXWX-USBC-3.5mm	3.5mm-to-USB Audio Adapter
See table on right	Lavalier Microphone



MXW1X
Bodypack Transmitter, front



MXW1X
Bodypack Transmitter, top

LAVALIER OPTIONS

MX150B/0-TQG	Microflex 5mm Subminiature Lavalier, Omnidirectional, Black
MX150B/C-TQG	Microflex 5mm Subminiature Lavalier, Cardioid, Black
MX153B/0-TQG	Microflex Omnidirectional Subminiature Earset, Black
MX153T/0-TQG	Microflex Omnidirectional Subminiature Earset, Tan
MX153C/0-TQG	Microflex Omnidirectional Subminiature Earset, Cocoa
WL183m	Microflex 1cm Omnidirectional Lavalier, Black
WL184m	Microflex 1cm Supercardioid Lavalier, Black
WL185m	Microflex 1cm Cardioid Lavalier, Black
WL93	Omnidirectional Condenser Miniature Lavalier, Black

MXW2X HANDHELD MICROPHONE

OVERVIEW

The MXW2X is a handheld transmitter compatible with Microflex® Wireless neXt Systems. With lightweight but durable construction and integrated diversity antennas, the MXW2X delivers vivid lifelike sound, intelligent wireless performance, encrypted transmission, and advanced rechargeability for presentation and conferencing applications. Available with trusted Shure microphone cartridges, including the legendary SM58®.

FEATURES

- Interchangeable microphone cartridges: Available with the SM58®, SM86, Beta® 58A and VP68 signature Shure microphones
- Dual transmit antennas: Maximizes transmission strength depending on hand placement
- Bi-directional wireless: Enables real time remote control of all wireless microphone settings
- Earphone output via USB: Listen to audio from a return channel for translation, cueing, or program material
- Programmable mute button: Customize local or remote muting behavior per application, with options including push-to-talk, push-to-mute, and external control
- Wide working range: Reliable wireless coverage extends up to 150 feet (45 meters)
- Range warning alert: Emits beeping sound when range limit is exceeded
- Easy transmitter linking: Assign the microphone to an Access Point channel by simply docking it into a Networked Charging Station and pressing "link"
- Encrypted wireless: AES 256-bit encryption for secure transmission
- Advanced Li-ion batteries: Smart lithium-ion internal batteries provide up to 39 hours continuous use, charge to full in 3.5 hours, and enable remote monitoring over the network of remaining runtime and charge status in hours and minutes
- Upgraded with LCD screens for battery management and RF-monitoring and increased run-time for multi-day usage
- USB charging: Connects to any standard USB power source for "always on" usage

SPECIFICATIONS (SUBJECT TO CHANGE)

Headphone Output	3.5 mm (1/8"), dual mono <i>Will drive stereo phones, USB-C to 3.5mm adapter is required.</i>
Maximum Input Level	-9 dBV <i>Mic gain @ 0 dB</i>
Antenna Type	Internal Chip Antenna
Battery Type	Shure SB908 Rechargeable Li-Ion
Battery Life	Up to 39 hours <i>Note: Measured with a new battery. Runtimes vary depending on conditions like headphone level, battery health and RF density mode.</i>
Charge Connector	USB 2.0 Type C
Housing	Molded Plastic
Microphone Capsule	SM58, SM86, Beta 58, VP68
Input Impedance	2 kΩ <i>@1 kHz</i>
Dimensions	228.5 mm × 51.0 mm × 51.0 mm (8.99" × 2.01" × 2.01")
Weight	With Battery: 0.380 kg
including the SM58 cartridge	Without Battery: 0.330 kg

AVAILABLE MODELS

MXW2X/SM58	Wireless Handheld Transmitter with SM58® Microphone
MXW2X/SM86	Wireless Handheld Transmitter with SM86 Microphone
MXW2X/BETA58	Wireless Handheld Transmitter with Beta® 58A Microphone
MXW2X/VP68	Wireless Handheld Transmitter with VP68 Microphone

OPTIONAL ACCESSORIES

RPW112	Cartridge, Housing Assembly and Matte Grille for Wireless SM58®
RPW114	Cartridge, Housing Assembly and Matte Grille for Wireless SM86
RPW118	Cartridge, Housing Assembly and Matte Grille for Wireless Beta® 58A
RPW124/VP68	Cartridge, Housing Assembly and Matte Grille for Wireless VP68
SB908	Replacement Battery for MXW2X and MXW8X Transmitter
AMXWX-USBC-3.5mm	3.5mm-to-USB Audio Adapter

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MXW2X
Handheld Microphone



MXW6X BOUNDARY MICROPHONE

OVERVIEW

The Shure MXW6X is a boundary microphone transmitter compatible with Microflex® Wireless neXt Systems. With a low-profile design and cardioid or omnidirectional polar pattern options, the MXW6X allows flexible placement with excellent audio capture on any surface in front of one or multiple speakers. All Microflex Wireless transmitters deliver pristine audio quality, intelligent wireless performance, encrypted transmission, and advanced rechargeability for conferencing and presentation applications.

FEATURES

- Coverage options: Available in cardioid or omnidirectional polar patterns
- Wide frequency response: Full range audio for clear voice transmission
- Microflex capsules: Well known and trusted Microflex sound signature
- Bi-directional wireless: Enables return channel audio and real time remote control of all wireless microphone settings
- Earphone output via USB: Listen to audio from a return channel for translation, cueing, or program material
- Concealed power switch: Prevents accidental powering off
- Programmable mute button: Customize local or remote muting behavior per application, with options including push-to-talk, push-to-mute, and external control
- Encrypted wireless: AES 256-bit encryption for secure transmission
- Wide working range: Reliable wireless coverage extends up to 150 feet (45 meters)
- Out of range alert: Emits beeping sound when range limit is exceeded
- Easy wireless linking: Assign the microphone to an Access Point channel by simply docking it in a Networked Charging Station and pressing "link"
- Advanced Li-ion batteries: Smart lithium-ion internal batteries provide up to 17 hours continuous use, charge to full in 3 hours, and enable remote monitoring over the network of remaining runtime and charge status in hours and minutes
- Upgraded with LCD screens for battery management and RF-monitoring and increased run-time for multi-day usage
- USB charging: Connects to any standard USB power source for "always on" usage



MXW6X
Boundary Microphone

SPECIFICATIONS (SUBJECT TO CHANGE)

Headphone Output	3.5 mm (1/8"), dual mono <i>Will drive stereo phones, USB-C to 3.5mm adapter is required.</i>
Maximum Headphone Output Power	1.5 mW <i>8Ω load, 1 kHz sine wave</i>
Antenna Type	Internal Chip Antenna
Battery Type	Shure SB906 Rechargeable Li-Ion
Battery Life	Up to 17 hours <i>Note: Measured with a new battery. Runtimes vary depending on conditions like headphone level, battery health and RF density mode.</i>
Charge Connector	USB 2.0 Type C
Housing	Molded Plastic
Dimensions	118.43 mm × 46.99 mm × 26.10 mm (4.66" × 1.85" × 1.03")
Weight	With Battery: 0.115 kg Without Battery: 0.090 kg

AVAILABLE MODELS

MXW6X/O	Wireless Boundary Transmitter, Omnidirectional
MXW6X/C	Wireless Boundary Transmitter, Cardioid

OPTIONAL ACCESSORIES

SB906	Replacement Battery for MXW1X and MXW6X Transmitters
AMXWX-USBC-3.5mm	3.5mm-to-USB Audio Adapter

MXW8X GOOSENECK MICROPHONE

OVERVIEW

The MXW8X is a gooseneck base transmitter compatible with Microflex® Wireless neXt Systems. With a stylish, contoured design and minimal footprint it complements any conference setting. The MXW8X accepts Microflex gooseneck microphones available in multiple lengths with polar pattern and LED options. All Microflex Wireless neXt transmitters deliver pristine audio quality, intelligent wireless performance, encrypted transmission, and advanced rechargeability for conferencing and presentation applications.

FEATURES

- Gooseneck options: Compatible with a wide variety of length, LED light ring, and polar pattern variations of Microflex Gooseneck Microphones
- Wide frequency response: Full range audio for clear voice transmission
- Concealed power switch: Prevents accidental powering off
- Bi-directional wireless: Enables return channel audio and real time remote control of all wireless microphone settings including light ring indication
- Earphone output via USB: Listen to audio from a return channel for translation, cueing, or program material
- Programmable mute button: Customize local or remote muting behavior per application, with options including push-to-talk, push-to-mute, and external control
- Encrypted wireless: AES 256-bit encryption for secure wireless transmission
- Wide working range: Reliable wireless coverage extends up to 150 feet (45 meters)
- Out of range alert: Emits beeping sound when range limit is exceeded
- Easy wireless linking: Assign the microphone to an Access Point channel by simply docking it in a Networked Charging Station and pressing "link"
- Advanced Li-ion batteries: Smart lithium-ion internal batteries provide up to 30 hours continuous use, charge to full in 3.5 hours, and enable remote monitoring over the network of remaining runtime and charge status in hours and minutes
- Standby mode: Enabled remotely during periods of inactivity to significantly extend battery life when not in use
- Upgraded with LCD screens for battery management and RF connectivity and increased run-time for multi-day usage
- USB charging: Connects to any standard USB power source for "always on" usage

SPECIFICATIONS (SUBJECT TO CHANGE)

Maximum Input Level	-1 dBV <i>Mic gain @ 0 dB</i>
Headphone Output	3.5 mm (1/8"), dual mono <i>Will drive stereo phones, USB-C to 3.5mm adapter is required.</i>
Maximum Headphone Output Power	1.5 mW 8Ω load, 1 kHz sine wave
Antenna Type	Internal Chip Antenna
Battery Type	Shure SB908 Rechargeable Li-Ion
Battery Life	Up to 30 hours continuous use <i>Note: Measured with a new battery. Runtimes vary depending on conditions like headphone level, battery health and RF density mode.</i>
Charge Connector	USB 2.0 Type C
Housing	Molded Plastic
Microphone Connection	6-pin connector for Shure MX405/410/415
Input Impedance	42 kΩ <i>@1 kHz</i>
Gooseneck Options	See Accessories List
Dimensions	133.32mm × 78.20mm × 34.08mm (5.249" × 3.079" × 1.342")
Weight	With Battery: 0.245 kg Without Battery: 0.195 kg

AVAILABLE MODELS

MXW8X	MXW Gooseneck Base Transmitter (without Gooseneck Microphone)
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OPTIONAL ACCESSORIES

SB908	Replacement Battery for MXW2X, and MXW8X Transmitters
AMXWX-USBC-3.5mm	3.5mm-to-USB Audio Adapter
See table on right	Gooseneck Microphone



MXW8X
Gooseneck Microphone

GOOSENECK MICROPHONE OPTIONS

MX405LP/C	Cardioid, 5" (12.7 cm), bi-color status indicator, less preamp
MX405LP/S	Supercardioid, 5" (12.7 cm), bi-color status indicator, less preamp
MX405RLP/N	No microphone cartridge, 5" (12.7 cm), light ring, less preamp
MX410LP/C	Cardioid, 10" (25.4 cm), bi-color status indicator, less preamp
MX410LP/S	Supercardioid, 10" (25.4 cm), bi-color status indicator, less preamp
MX410RLP/N	No microphone cartridge, 10" (25.4 cm), light ring, less preamp
MX415LP/C	Cardioid, 15" (38.1 cm), bi-color status indicator, less preamp
MX415LP/S	Supercardioid, 15" (38.1 cm), bi-color status indicator, less preamp
MX415RLP/N	No microphone cartridge, 15" (38.1 cm), light ring, less preamp