

More Information Available Online

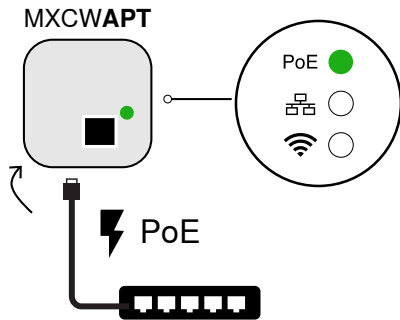
A comprehensive online user guide is available at pubs.shure.com.

Microflex® Complete Wireless

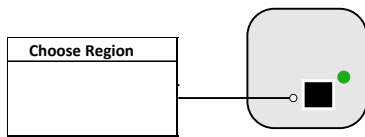
Getting Started

System access point (MXCWAPT) setup

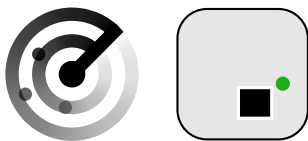
1. Connect the access point to a Power over Ethernet (PoE) source to turn on the device.



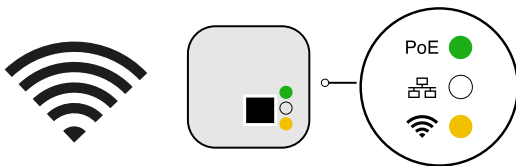
2. If prompted, select the operating region on the menu for RF coordination (some model variations).



3. Wait while the access point scans the area.

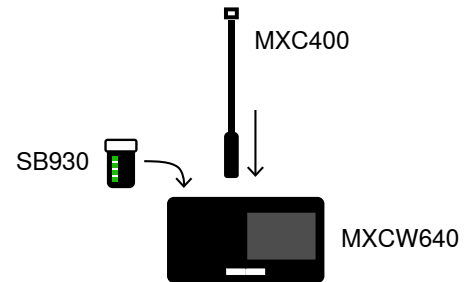


4. The best Wi-Fi channel is automatically selected.

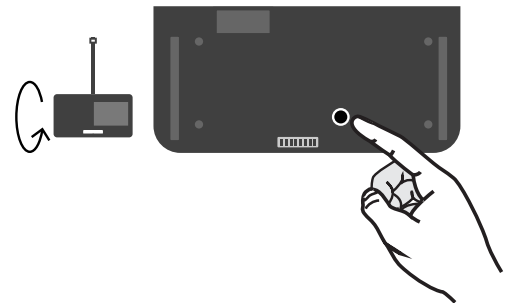


Wireless microphone devices (MXCW640) setup

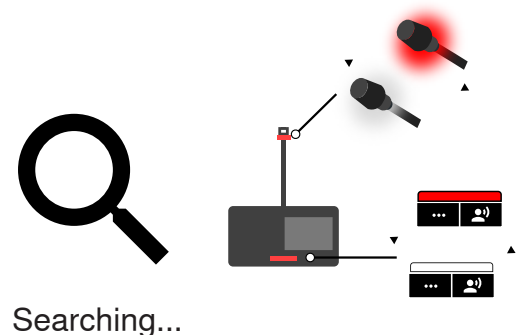
1. Insert the Shure SB930 rechargeable battery and connect the MXC400 series microphone.



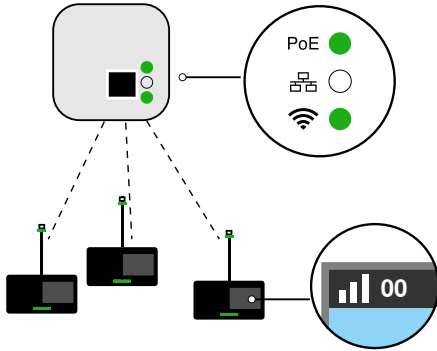
2. Press the power button on the bottom of the device.




3. Wait while the microphone device searches for the default access point network (00).

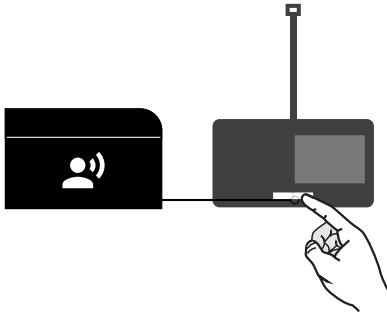


- The devices are ready when the LEDs briefly flash green and the touchscreen displays the home-screen.

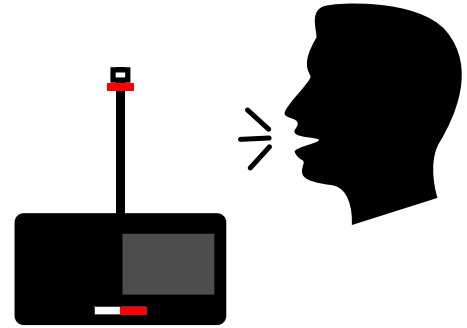


Perform a Soundcheck

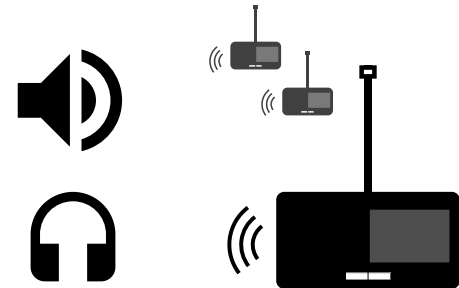
- On one of the microphone devices, press the  speak button to activate the microphone.



- Speak into the microphone to check the audio.



- Listen to the sound check on the other devices' loudspeakers or headphone jacks.



- For more information, visit pubs.shure.com for the full user guide.



Device Installation and Positioning

Visit to the online user guide for detailed templates, best practices, and instructions to install the device in a variety of ways:

- Junction box
- Walls
- Ceiling tile
- Microphone stand

Open the Web Application

The web application provides system setup, live device monitoring, and meeting controls from a computer or tablet.

- Connect a computer or tablet to the access point network and subnet.
- Find the access point IP address:

- **On the hardware:** On the access point menu, scroll down to the IP address screen.



- **From the computer:** Use the Shure Device Discovery app to view and access devices on the network. Download the app for free from shure.com.

Shure Web Device Discovery

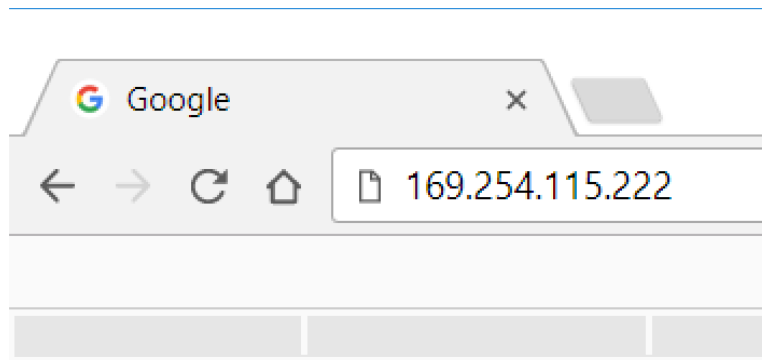
Preferences Help

SHURE
www.shure.com

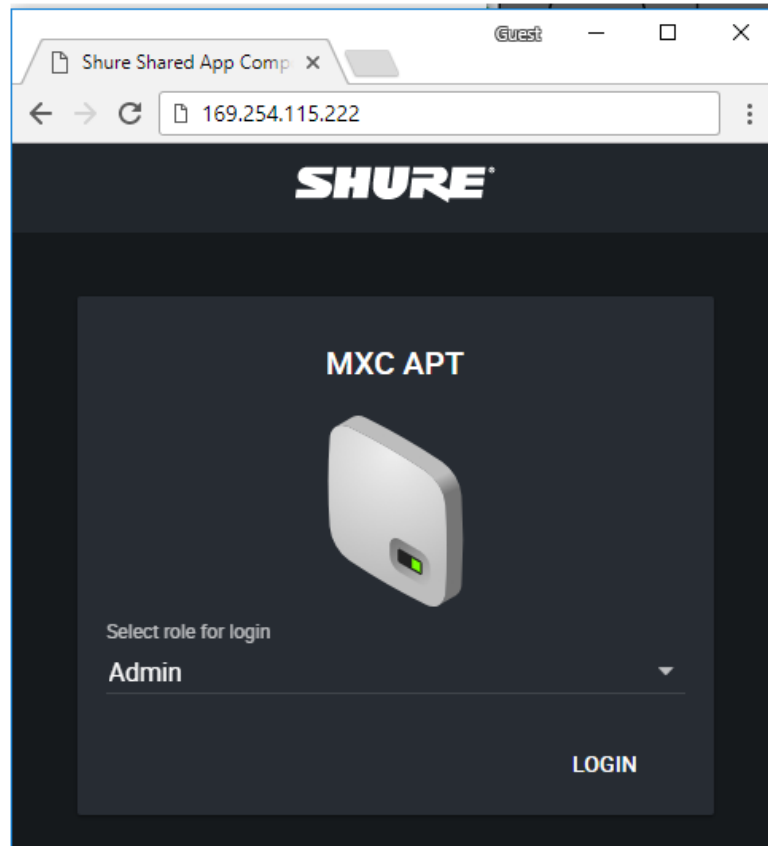
Refresh Network Settings Select All Open Identify

Model	Name	DNS name	IP Address	Network Audio	Web
SCM820-DAN	SCM820-Room1	SCM820-DAN-ffe656.local	169.254.100.125	Dante	Yes
MXWNCS8	MXWNCS8-5bae	MXWNCS8-415bae.local	169.254.182.153		No
MXWAPT8	MXWAPT8-e797	MXWAPT8-ffe797.local	169.254.253.30	Dante	Yes
MXWAPT4	MXWAPT4-6e1b	MXWAPT4-406e1b.local	169.254.191.228	Dante	Yes
MXWAN18	MXWAN18-0bae	MXWAN18-f80bae.local	169.254.142.143	Dante	Yes
MXCWAPT	MXCWAPT-a64ee5	MXCWAPT-a64ee5.local	169.254.115.222	Dante	Yes

3. Open the device in a browser.



4. Sign into the application as the admin.



Default System Settings

MXCW is designed for plug-and-play operation with default settings.

Default system settings:

Maximum System Size

125 wireless microphone devices

Wireless Network Name (SSID)

00

Default meeting settings:

Meeting Mode

- Automatic (push to speak)
- No queue when the list is full

Maximum Total Speakers

8

Maximum Delegate Speakers

8

Microflex Complete Wireless Specifications

Important Product Information

Safety Information

IMPORTANT SAFETY INSTRUCTIONS

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.

7. DO NOT block any ventilation openings. Allow sufficient distances for adequate ventilation and install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as open flames, radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not place any open flame sources on the product.
9. DO NOT defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. USE only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. UNPLUG this apparatus during lightning storms or when unused for long periods of time.
14. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. DO NOT expose the apparatus to dripping and splashing. DO NOT put objects filled with liquids, such as vases, on the apparatus.
16. The MAINS plug or an appliance coupler shall remain readily operable.
17. The airborne noise of the Apparatus does not exceed 70dB (A).
18. Apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.
19. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
20. Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.
21. Operate this product within its specified operating temperature range.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING: Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel. The safety certifications do not apply when the operating voltage is changed from the factory setting.

SAFETY PRECAUTIONS

The possible results of incorrect use are marked by one of the two symbols—"WARNING" and "CAUTION"—depending on the imminence of the danger and the severity of the damage.



WARNING: Ignoring these warnings may cause severe injury or death as a result of incorrect operation.



CAUTION: Ignoring these cautions may cause moderate injury or property damage as a result of incorrect operation.

WARNING

LISTENING TO AUDIO AT EXCESSIVE VOLUMES CAN CAUSE PERMANENT HEARING DAMAGE. USE AS LOW A VOLUME AS POSSIBLE. Over exposure to excessive sound levels can damage your ears resulting in permanent noise-induced hearing loss (NIHL). Please use the following guidelines established by the Occupational Safety Health Administration (OSHA) on maximum time exposure to sound pressure levels before hearing damage occurs.

90 dB SPL at 8 hours	95 dB SPL at 4 hours	100 dB SPL at 2 hours	105 dB SPL at 1 hour
110 dB SPL at ½ hour	115 dB SPL at 15 minutes	120 dB SPL Avoid or damage may occur	

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Note: Use this product only with an agency approved power supply which meets local regulatory requirements (e.g., UL, CSA, VDE, CCC, INMETRO).

WARNING

- Battery packs may explode or release toxic materials. Risk of fire or burns. Do not open, crush, modify, disassemble, heat above 140°F (60°C), or incinerate.

- Follow instructions from manufacturer
- Only use Shure charger to recharge Shure rechargeable batteries
- **WARNING:** Danger of explosion if battery incorrectly replaced. Replace only with same or equivalent type.
- Never put batteries in mouth. If swallowed, contact your physician or local poison control center
- Do not short circuit; may cause burns or catch fire
- Do not charge or use battery packs other than Shure rechargeable batteries
- Dispose of battery packs properly. Check with local vendor for proper disposal of used battery packs.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like

Warning: Before charging, make sure the product is at room temperature, between 0 to 45°C (32 to 113°F).

1. 經審驗合格之射頻電信終端設備，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
2. 射頻電信終端設備之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。所謂合法通信，係指依電信法規定作業之無線電信。
3. 輸入、製造射頻電信終端設備之公司、商號或其使用者違反本辦法規定，擅自使用或變更無線電頻率、電功率者，除依電信法規定處罰外，國家通訊傳播委員會並得撤銷其審驗合格證明。
4. 減少電磁波影響，請妥適使用

Important Product Information

The equipment is intended to be used in professional audio applications.

Changes or modifications not expressly approved by Shure Incorporated could void your authority to operate this equipment.

Note: This device is not intended to be connected directly to a public internet network.

EMC conformance to Environment E2: Commercial and Light Industrial. Testing is based on the use of supplied and recommended cable types. The use of other than shielded (screened) cable types may degrade EMC performance.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Information to the user

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation of this device is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

MXCWAPT WLAN Specifications

802.11g

- 2.4 GHz
- OFDM
- RF Output Power 18.2 dBm (EIRP)

Antenna Information

Type = Custom, soldered to PCB

Gain = +4.38dBi at 2.4 GHz

Gain = +6dBi at 5 GHz

802.11a

- 5.15 - 5.35 GHz, 5.47 - 5725 GHz
- OFDM
- RF Output Power 21.6 dBm (EIRP)

MXCW640 WLAN Specifications:**802.11g**

- 2.4 GHz
- OFDM
- RF Output Power 16.2 dBm (EIRP)

802.11a

- 5.15 - 5.35 GHz, 5.47 - 5725 GHz
- OFDM
- RF Output Power 19.1 dBm (EIRP)

Japanese Radio Law and Japanese Telecommunications Business Law Compliance. This device is granted pursuant to the Japanese Radio Law (電波法) and the Japanese Telecommunications Business Law (電気通信事業法). This device should not be modified (otherwise the granted designation number will become invalid).

本製品が 5GHz 帯で使用するチャンネルは、下記の W52、W53、W56 の 3 タイプです。

W52	36	5,180 MHz
	40	5,200 MHz
	44	5,220 MHz
	48	5,240 MHz
W53	52	5,260 MHz
	56	5,280 MHz
	60	5,300 MHz
	64	5,320 MHz
W56	100	5,500 MHz
	104	5,520 MHz
	108	5,540 MHz
	112	5,560 MHz
	116	5,580 MHz
	120	5,600 MHz
	124	5,620 MHz
	128	5,640 MHz
	132	5,660 MHz
	136	5,680 MHz
	140	5,700 MHz

W52 と W53 の帯域の電波は屋内でのみ使用可能です。

運用に際しての注意

この機器の使用周波数帯では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）並びにアマチュア無線局（免許を要する無線局）が運用されています。

1. この機器を使用する前に、近くで移動体識別用の構内無線局及び特定小電力無線局並びにアマチュア無線局が運用されていないことを確認して下さい。
2. 万一、この機器から移動体識別用の構内無線局に対して有害な電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか又は電波の発射を停止した上、下記連絡先にご連絡頂き、混信回避のための処置等（例えば、パーティションの設置など）についてご相談して下さい。

3. その他、この機器から移動体識別用の特定小電力無線局あるいはアマチュア無線局に対して有害な電波干渉の事例が発生した場合など何かお困りのことが起きたときは、保証書に記載の販売代理店または購入店へお問い合わせください。代理店および販売店情報は Shure 日本語ウェブサイト <http://www.shure.co.jp> でもご覧いただけます。

現品表示記号について

2.4 OF 40

現品表示記号は、以下のことを表しています。この無線機器は 2.4GHz 帯の電波を使用し、変調方式は「DS-SS」方式および「FH-SS」方式、想定与干渉距離は 40m です。2,400MHz ~ 2,483.5MHz の全帯域を使用し、移動体識別装置の帯域を回避することはできません。



Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário” Este produto está homologado pela ANATEL, de acordo com os procedimentos regulamentados pela Resolução 242/2000, e atende aos requisitos técnicos aplicados. Para maiores informações, consulte o site da ANATEL - <http://www.anatel.gov.br>



MSIP-CRM-SHU-XXXX-XXX
 상호명: Shure Incorporated
 기자재의 명칭: 무선데이터통신 시스템을 무선기기
 모델명: MXCWAPT
 제조업체명/제조국명: Shure Incorporated / China
 정격: ???Vdc, ???mA
 서비스센터: 삼아프로사운드 Tel: 02-734-0653
 “해당 무선기기는 전파혼신 가능성이 있으므로 인명 안전과 관련된 서비스는 할 수 없습니다.”

MSIP-CRM-SHU-XXXX-XXX
 상호명: Shure Incorporated
 기자재의 명칭: 무선데이터통신 시스템을 무선기기
 모델명: MXCW640
 제조업체명/제조국명: Shure Incorporated / China
 정격: ???Vdc, ???mA
 서비스센터: 삼아프로사운드 Tel: 02-734-0653
 “해당 무선기기는 전파혼신 가능성이 있으므로 인명 안전과 관련된 서비스는 할 수 없습니다.”
 안전확인 신고번호 SB930

제품명
 전지 (401230)
 정격 Rating: 3.6 Vdc, 9600 mA
 제조업체명/제조국명
 National Power Corporation
 A/S 연락처
 Service Center contact information:
 삼아프로사운드 Tel: 02-734-0653

MSIP-CRM-SHU-XXXX-XXX
 상호명: Shure Incorporated
 기자재의 명칭: 무선데이터통신 시스템을 무선기기
 모델명: MXCWNC5
 제조업체명/제조국명: Shure Incorporated / China
 정격: ???Vdc, ???mA
 서비스센터: 삼아프로사운드 Tel: 02-734-0653
 “해당 무선기기는 전파혼신 가능성이 있으므로 인명 안전과 관련된 서비스는 할 수 없습니다.”

Environmentally friendly disposal



Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

Certifications

Hereby, Shure Incorporated declares that the radio equipment 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.shure.com/europe/compliance>

Authorized European representative:
 Shure Europe GmbH
 Headquarters Europe, Middle East & Africa
 Department: EMEA Approval
 Jakob-Dieffenbacher-Str. 12
 75031 Eppingen, Germany
 Phone: +49-7262-92 49 0
 Fax: +49-7262-92 49 11 4

Email: EMEAsupport@shure.de

Note: See the label located on the bottom side of the charger enclosure for the FCC marking, the CE marking, the RCM marking, and the electrical ratings.

Trademarks

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