

A man in a light blue shirt is shown in profile, looking down at a device on a table. He is holding a black handheld microphone with his right hand. The background is a blurred office or conference room with a large window. The text 'MAJORCOM:' is in the top right, and 'WIRELESS CONFERENCE SYSTEM' is in the center right.

MAJORCOM:

**WIRELESS CONFERENCE
SYSTEM**



MAJORCOM:

A story, a know-how

MAJORCOM, **founded 50 years ago** and based in Toulouse, is **the leading French company** and a major European player in the field of professional sound systems, public address and voice alarm..

MAJORCOM was the **first specialized company** in Voice Alarm systems **to be certified in France**. Through being at the forefront of the development of the most advanced technologies, MAJORCOM is committed to always providing products of the latest generation.

MAJORCOM mastery of production offers you the manufacturer's warranty on Public Address products and guarantees the compliance of its security systems with European EN 54 and International ISO standards.

A team, an expertise

MAJORCOM places **customer service at the heart of its business model** thanks to its dedicated business team.

Our systems are custom-designed by our engineering department which is staffed with acousticians and electronic engineers, with the expert support of our R&D department, and an after-sales department with highly involved support functions.

To our partners, we offer systems that are truly adapted to the reality of their technical needs and to the needs of the end users.



Values that stand the test of time

TO LISTEN AND WORK CLOSELY WITH OUR CUSTOMERS : we devote our full attention and expertise to **informing, securing and offering an outstanding customer experience**.

A FOCUS ON QUALITY : optimize your profitability rate thanks to **reliable systems supervised by our quality department** (Customer service < 0.3%).

A CULTURE OF INNOVATION : our systems feature every innovation that enhances **technical, energetic and connectivity performances**.

EXPERTISE : our engineering relies on innovative technical resources, on the **adaptability of our teams and their unconditional dedication to your projects to fully satisfy your every need**.

MAJORCOM:


A wide range of products and services

MAJORCOM provides expert advice, studies, estimates, editing, commissioning, maintenance and VAS quickly and efficiently on a selection of products from:



PUBLIC ADDRESS & IP SYSTEMS

- Sources & microphones
- Mixers
- Amplifiers
- Audio over IP
- Loudspeakers
- PPMS, POI, PPI
- Conference system
- Induction loops...



PROFESSIONAL SOUND SYSTEMS

- Line Array
- Loudspeakers
- Source
- Processors
- Amplifiers
- Mixers
- Accessories...



VOICE ALARM SYSTEMS

- EN54-16 Systems
- Batteries & EN54-4 Chargers
- EN54 Accessories
- EN54-24 Speakers

Our references

MAJORCOM has built its notoriety on the success of thousands of completed projects.

+ 50,000
On-site installations

+ 30,000
End customers



+ 1,000
Loyal installers

+ 100
Engineering consulting partners

Information at your disposal

To accompany you in the success of your projects.

TECHNICAL DOCUMENTATION: check out our data sheets, application samples, videos and catalogues on our website: www.majorcom.fr

WEBSITE: learn more about our services and products, accessible through any device, on our website: www.majorcom.fr

NEWSLETTER: recommendations, innovations, invitations to trade shows... To keep up with all the MAJORCOM news, subscribe to our newsletter at www.majorcom.fr

MXCW Conference System



Total freedom

- The MXCW conference system offers all the features expected of a conference system for up to 125 participants, with the convenience of encrypted digital HF transmission.
- It eliminates the use of cables for off-site meetings, in rooms where seats are not assigned, as well as in listed buildings where it is not possible to pierce the walls or the furniture.
- Proven interference detection and avoidance technology provides reliable transmission without signal loss, and robust encryption of audio signals ensures confidentiality of meeting content.
- Each HF conference unit is powered by an intelligent lithium-ion rechargeable battery, whose residual charge in hours and minutes can be viewed remotely and in real time.

Wireless **conference** system, complete, reliable, scalable, easy to install.

The system natively integrates **voting management** with 2, 3 or 5 buttons, with display of the result on the chairman station and on the Web interface.

The system has **simultaneous translation** mode and can handle up to 8 channels using dedicated equipment.



MXCW Conference System

Worry-free wireless

Innovative interference detection technology avoids wireless issues before they are even noticed.

Quick setup

Last minute meetings are inevitable. The MXCW system deploys quickly and self-configures in minutes.

Works in any room

From flexible meeting spaces to high profile historic venues, MXCW goes anywhere your meetings take you.

Nothing else to bring

With only three core system components, MXCW ensures you always have the right equipment for the next important discussion.

Powerfully scalable

Tackle even the most complex meeting needs with onboard features including voting, agenda management, and interpretation.

Great sound for every participant

A dedicated, high-quality loudspeaker at each unit provides clear, intelligible audio for everyone involved.

MXCW Conference System components

MXCW640: wireless touchscreen conference unit

- Chairman, Delegate, Ambient Mic, Listener and Remote Caller roles
- Dual Delegate role allows two participants to share one conference unit
- 4.3-inch / 110mm capacitive touchscreen display to view meeting controls, speak/request list, voting, etc.
- 2 channel selectors, each with a 3.5mm headphone jack
- Battery life of up to 11 hours

Shown with MXC416-C 16" Gooseneck Microphone



MXCWAPT-W: wireless access point transceiver

- Controls up to 125 wireless conference units
- Automated frequency coordination
- Interference detection & avoidance
- AES-128 wireless encryption
- Dante™ digital networking enables routing of 10 audio channels in/out over Ethernet to any Dante-equipped device



SB930: intelligent rechargeable li-ion battery



- Networked Charging Station for up to 10 SB930 batteries
- Fully charges 10 batteries in 4 hours
- Remotely monitor charge levels in hours and minutes
- Integrated test button and 5-segment LED to display charge level
- Storage mode protects batteries by storing them at a safe charge level that preserves battery health over time

MXCWNCSE: networked charging station



Gooseneck microphones

- Series of Microflex multipin gooseneck microphones for use with MXCW conference units only.
- Built-in CommShield® technology provides improved immunity to RF noise emitted by mobile phones or tablets.
- Available Dualflex gooseneck accommodates shared use or standing speakers
- Choice of 6"/15cm, 16"/40cm, 20"/50cm lengths.
- Built-in bi-color (red/green) LED illuminates when mic is active.
- The standard cardioid directivity ensures precise sound pick-up on the voice, and attenuates the ambient noise of the room. If difficult acoustic conditions require additional directivity control, the mini shotgun capsule is also available.

Monitor and control

MXCW Conference System includes an intuitive and powerful browser-based control interface for management of all system features, including audio levels, RF settings and more.



Adjust audio output levels and route Dante™ audio wherever required. A total of two analog and 10 Dante™ audio channels are available.



Real time monitoring of wireless system health, channel availability, and frequency management settings give you the confidence for a meeting free of interruptions and lost productivity.

Easy to deploy

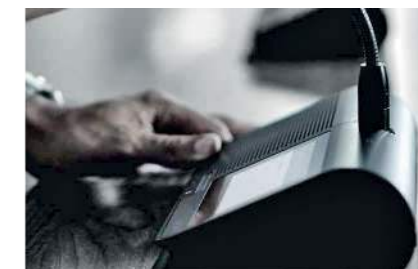
- The all-in-one-design of MXCW Conference System means meetings can happen anywhere.
- Automated frequency coordination with interference detection and avoidance, minimizes any complicated set up. This also enables meetings to run more smoothly without a technician present..
- Setting up your next meeting is as simple as **three steps**:



1 MOUNT & POWER UP THE MXCWAPT-W ACCESS POINT



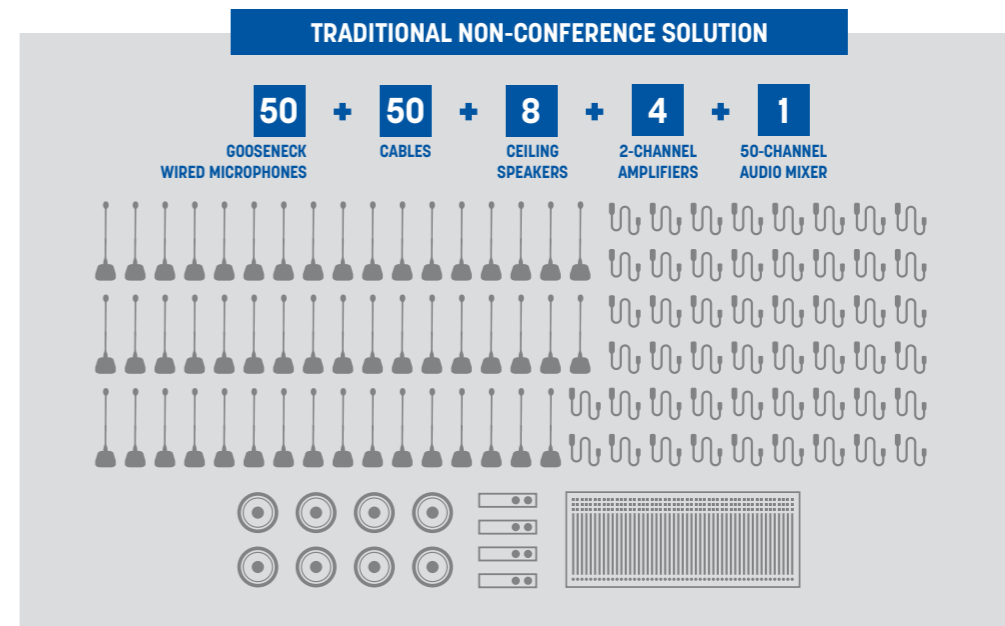
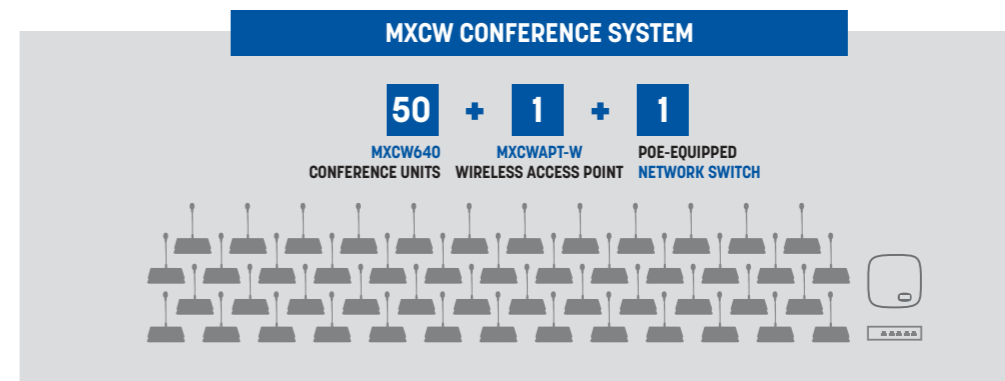
2 INSERT THE SB930 BATTERY INTO EACH DELEGATE UNIT



3 DEPLOY & POWER ON DELEGATE UNITS WHERE NEEDED

Tackle any space

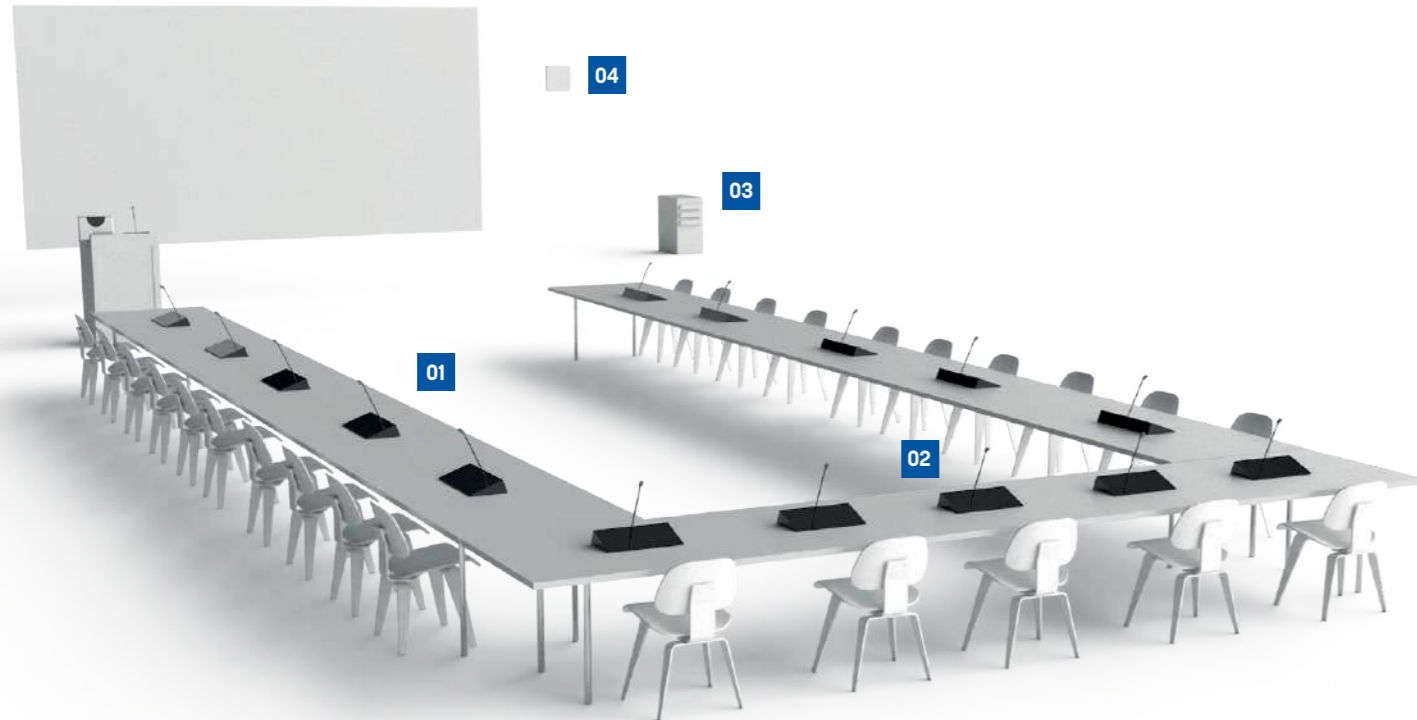
Need to outfit a meeting space with audio the day before a big meeting with 50 people? No problem, with MXCW Conference System. Each participant gets his own microphone, loudspeaker, and control, right in front of him. It is the winning solution compared to the complexity of conventional equipment.



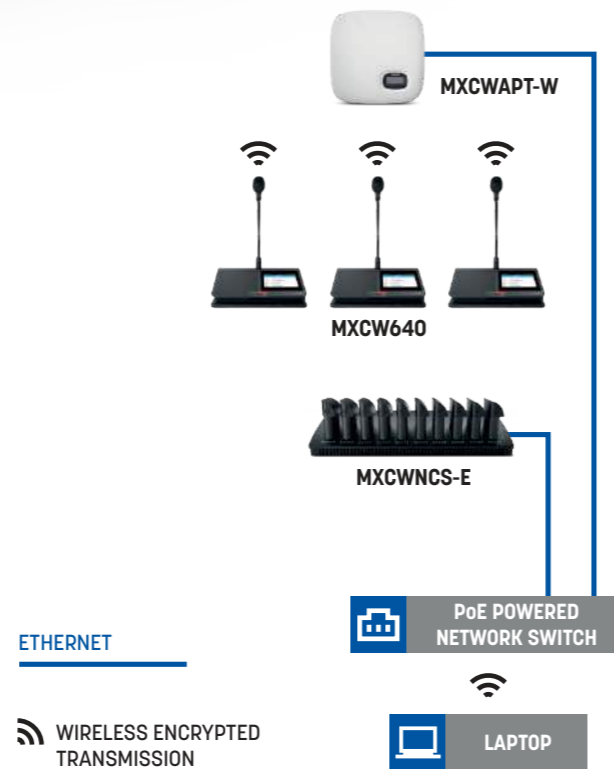
Application: FLEXIBLE ROOM

Presentation - Panel Discussion - Q&A

- Off-site meetings can be an expensive waste of time if attendees cannot fully participate in the discussion. Typical in-room sound systems are only designed to amplify the presenter's voice, and miss the contributions of other participants.
- MXCW Conference System is a versatile audio solution that extends full coverage to every attendee without the labor of routing and securing audio cables.
- Network monitoring allows a technician to monitor battery levels from a PC or tablet (IOS/Android).



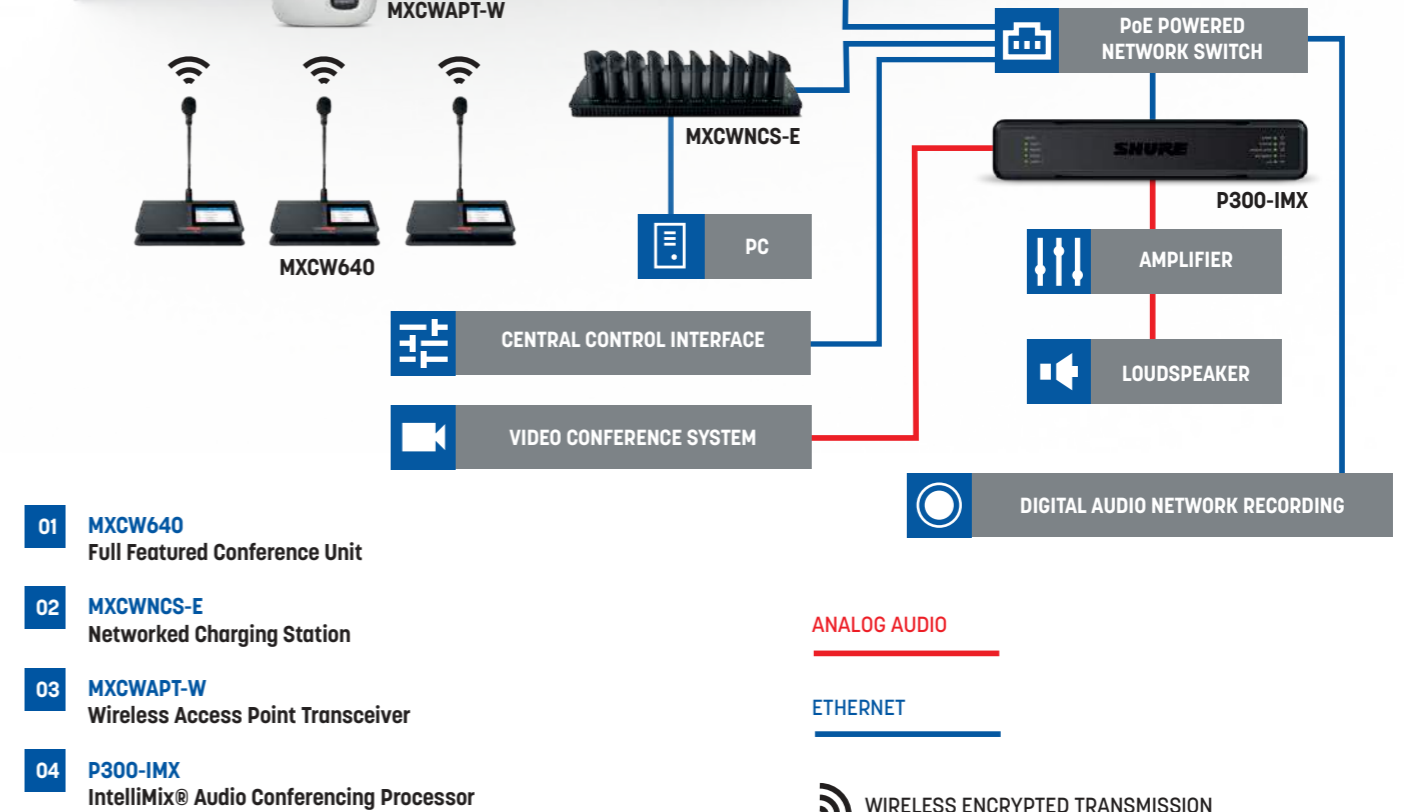
- 01** MXCW640
Wireless Touchscreen Conference Unit
- 02** MXCW640
Wireless Touchscreen Conference Unit configured as Chairman
- 03** MXCWNCSE
Networked Charging Station
- 04** MXCWAPT-W
Wireless Access Point Transceiver



Application: BOARDROOM

Discussion - Conferencing - Collaboration - Presentation

- In boardrooms with long tables, it can be difficult to hear people seated at the far end. With Microflex Complete Wireless, each participant has their own conference unit with an integrated microphone and loudspeaker so that everyone can hear each other perfectly.
- Wireless convenience means there are no holes to drill and the system can be put away when not needed.
- Robust encryption keeps sensitive meeting content secure.



- 01** MXCW640
Full Featured Conference Unit
- 02** MXCWNCSE
Networked Charging Station
- 03** MXCWAPT-W
Wireless Access Point Transceiver
- 04** P300-IMX
IntelliMix® Audio Conferencing Processor

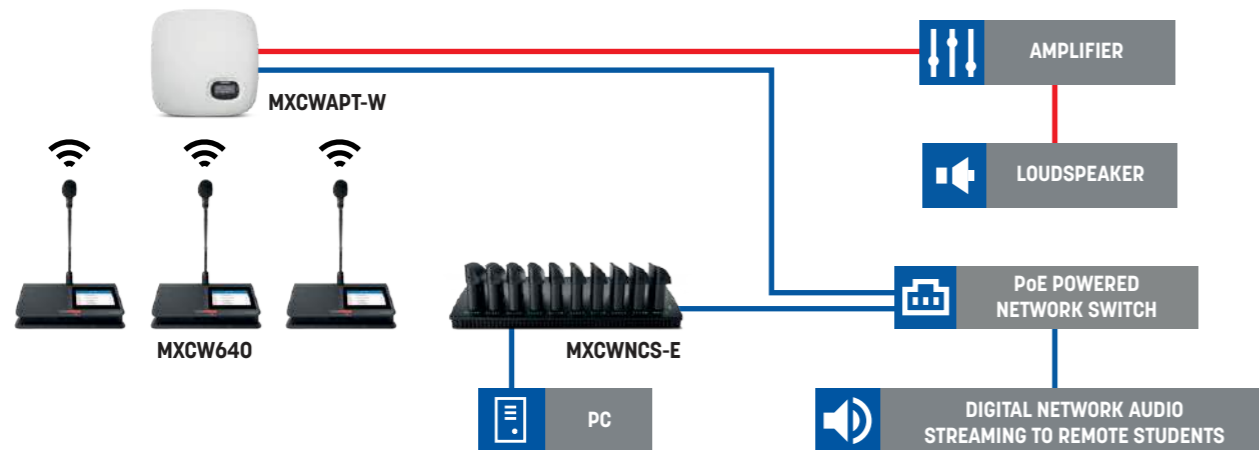
ANALOG AUDIO

ETHERNET

WIRELESS ENCRYPTED TRANSMISSION

Presentation - Discussion - Remote Campus

- At seminars and training events, attendees need to be able to understand complex information and ask questions comfortably, while the instructor needs to know that learning is successful.
- MXCW Conference System makes it easy for attendees to hear clearly, ask questions, and respond to instructor polls.
- The system can connect to third-party streaming equipment to include remote participants.
- Wireless convenience allows flexible seating to be reconfigured without moving cables.



- 01** MXCW640
Wireless Touchscreen Conference Unit
- 02** MXCWAPT-W
Wireless Access Point Transceiver
- 03** MXCWNCS-E
Networked Charging Station

- Liaison AUDIO**
- ETHERNET**
- WIRELESS ENCRYPTED TRANSMISSION**

MXCW640: touchscreen wireless conference station



Wireless digital conference station with high-resolution color touchscreen configurable in modes: chairman, single delegate, double delegate, interpreter, room microphone, listener and outside call.

- The unit incorporates speaking and function buttons, a gooseneck microphone connector, a loudspeaker, two channel selectors, an NFC card reader and a touch screen allowing numerous functionalities (control of microphone, conference control, voting).
- 4.3"/110mm capacitive touchscreen for voting or viewing speaker information, etc.
- 2 channel selectors, each with a 3.5mm headphone jack.
- Participant identification by NFC card.
- 3.5mm connector to add an external participant via smartphone.
- Mini-USB port for off-site battery charging.
- Autonomy > 11 h - Lithium-Ion SB930 battery included.
- Audio encryption.

Model	MXCW640	
GOOSENECK MIC INPUT		
Nominal Input Level	-60dBV	
Frequency Response	20Hz to 20kHz	
THD	0.04% typical	
Dynamic Range	112dBA	
Equivalent Input Noise	-117dBV (A-weighted), typical	
Input Impedance	26kΩ - Unbalanced input	
ANALOG AUDIO OUTPUT		
SPEAKER		
Nominal Output Level	72dB SPL @ 0.5m	
Maximum Output Level	89dB SPL @ 0.5m 3% of DHT + noise	
Frequency Response	220Hz to 15kHz	
THD	1% typical	
Dynamic Range	94dBA	
HEADPHONES OUTPUT		
Maximum Output Level	2.1dBV	
Frequency Response	100Hz to 22kHz	
THD	0.04%, typical	
Dynamic Range	101dBA	
Load Impedance	>8Ω, typical	
Configuration	Dual mono	
Connector	TRRS 3.5mm Jack	
RF		
WLAN Standard	IEEE 802.11a,g	
RF Frequency Bands	5GHz U-NII 1, U-NII 2 D.F.S & U-NII 2 Extended D.F.S.	
Output Power	1mW (Low), 5mW (Medium), 13mW (High), 25mW (Max)	
Antenna Type	Internal Bi-level Dual-Band PIFA	
POWER		
Battery Type	SB930 - Lithium-Ion	
Voltage	3V to 4.2V	
Capacity	35Wh - 9600mAh	
USB		
Input voltage range	4.5 to 5.5V	
Power consumption	Maximum 10W	
Recommended cable	28 AWG/1 P + 22 AWG/2 C, < 1.5 m	
USER INTERFACE		
Display Type	Color TFT LCD with Capacitive TouchScreen	
Display Size	4.3" (109.2mm)	
Display Resolution	480 x 272 (128 ppi)	
MECHANICAL		
Dimensions (WxHxD)	257.5 x 70.2 x 148mm	
Weight	1.21kg with battery	
Material	Molded Plastic, Die Casted Aluminium	



SB930: rechargeable battery for conference station

- The SB930 rechargeable battery powers the MXCW640 wireless conference unit for over 11 hours.
- LED indicators on the battery show charging status quickly and easily.
- Charging in the MXCWNCS-E network charging station takes only 1.5 hours for a 50% charge and 4 hours for a 100% charge.
- Included with MXCW640
- 3-cell battery with Smart Lithium-Ion technology
- Remote monitoring of remaining battery life in hours and minutes



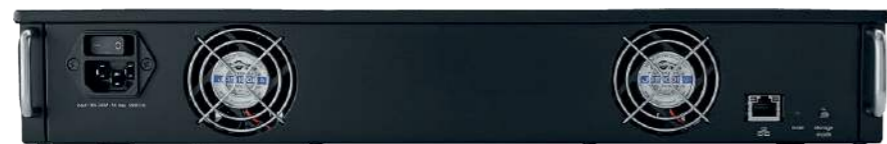
Model	SB930
Material	Molded plastic
Dimensions (WxHxD)	65 x 101.5 x 31mm
Weight	184g

MXCWNCS-E: 10-batteries networked charging station



- The MXCWNCS-E is a network charging station allowing the charging of ten Lithium-Ion SB930 batteries in four hours.
- It has LED bargraphs displaying the charge status of each battery and an RJ45 port for controlling the charge remotely.
- Charge 10 batteries to 50% in 1.5 hours, to 100% in 4 hours.
- Storage mode to extend battery life when system is not in use.
- Rack or wall mounting kit included.

Model		MXCWNCS-E	
NETWORK		USER INTERFACE	
Interface	Ethernet Gigabit - Dante digital audio	Charge	5 LEDs per bay for charging indication
Speed	10 / 100Mbps	Ethernet	2x LED
Addressing Capability	DHCP or Manual IP address	Status	1x LED - Power, Reset, Network Reset, Storage Mode
Cable Type	Cat5e or upper	MECHANICAL	
Connector	1x RJ45	Dimensions (WxHxD)	438,9 x 72,4 x 193,5mm
LED	Status (Green) / Link Speed (Amber)	Weight	2,825kg
		Material	Molded Plastic, Steel
		Mounting Type	Tabletop, wall mount or rack (4U rackspace required)



MXCWAPT-W: wireless access point transceiver

- The MXCWAPT-W access point manages audio routing, frequency coordination and system control for up to 125 MXCW640 wireless conference units.
- Thanks to its real-time frequency scanner, it automatically selects the best channel in the 2.4 GHz and 5 GHz frequency bands (including the spectrum subject to DFS) and switches the channels to avoid any potential interference.
- The access point has both Dante™ and analog audio inputs and outputs, and uses a single Ethernet connection for power, audio, and control.
- Bidirectional HF link allowing audio channels to be transported in both directions and ensuring real-time control of all parameters.
- AES-128 encryption to ensure the confidentiality of meetings.
- Dante™ digital network with 10 inputs and 10 outputs.
- Analog audio input and output on XLR.
- Built-in matrix for managing Dante™ and analog inputs/ outputs; Management of groups of MXCW640 stations.
- High-cut, low-cut and AGC filters available on each input.



Model		MXCWAPT-W	
ANALOG AUDIO INPUT		POWER	
Maximum Input Level	24,9dBV Line - 0dB Gain 10,3dBV Aux - 0dB Gain	Type	PoE (Power over Ethernet), Class 0
Frequency Response	22Hz to 20kHz	Power consumption	12,95W (max), 6,5W (typical)
THD	0,03% typical Line - 0dB Gain	USER INTERFACE	
Dynamic range	115dB / 112dB Line/Aux - 0dB Gain	Display Type	Monochrome FFSTN LCD
Connector	XLR-3-pin female	Display Size	46,7 x 18,8mm
ANALOG AUDIO OUTPUT		Display Resolution	152 x 78 (78ppi)
Maximum Output Level	4,3dBV (Dante & analog Gain 0dB)	LED Status Indication	Power, Network Audio, RF
Frequency Response	1Hz to 20kHz	Reset	Pushbutton for Network/Factory Reset
THD	0,01 % typical	MECHANICAL	
Dynamic range	100dB (Dante & analog Gain 0dB)	Dimensions (WxHxD)	242,5 x 47,8 x 241,8mm
Load Impedance	> 600Ω	Weight	1,15kg
Connector	XLR-3-pin male	Material	Molded Plastic, Die-casted Aluminum
RF		Mounting Type	Wall or ceiling bracket
WLAN Standard	IEEE 802.11a,g		
RF Frequency Bands	2,4GHz ISM - 5 GHz U-NII 1, U-NII 2 D.F.S & U-NII 2 Extended D.F.S.		
Output Power	1 mW (Low), 5 mW (Medium), 13 mW (High), 25 mW (Max)		
Antenna Type	Internal Bi-level Dual-Band PIFA		
NETWORK			
Interface	Ethernet Gigabit - Dante digital audio		
Link Speed	10 / 100 / 1000Mbps		
Addressing Capability	DHCP or Manual IP address		
Cable type	Cat5e or upper		
Connector	1x RJ45		
LED	Status (Green) / Link Speed (Amber)		



Gooseneck microphones for MXCW640 station



MXCW640 equipped with MXC406-MS gooseneck

Model	MXC406-MS	MXC416-C	MXC416DF-C	MXC420-C	MXC420DF-C
Capsule	Mini Shotgun	R185B Cardioid			
Connector	Microflex multipin				
Hose	15cm	40cm	DualFlex 40cm	50cm	DualFlex 50cm
Delivered with windscreen	no	yes			

FLIGHT-MXCW-T10



Flight touring for 10 MXCW stations

- Flight case specially designed for the MXCW wireless conference system.
- It can contain 10 stations equipped with their gooseneck, the access point, the charger with mains pre-cabling, and the cabling.
- A roller tray is available as an option.



FLIGHT-MXCW-I10



FLIGHT-MXCW-I20

Flights installation for 10 or 20 MXCW stations

- Wheeled flight cases specially designed for the fixed installation of the MXCW wireless conference system.
- Their design makes it easy to move the system from one room to another when necessary.
- They contain several drawers for storing 10 sets (FLIGHT-MXCW-I10) or 20 MXCW sets (FLIGHT-MXCW-I20), equipped with their gooseneck, access point, chargers and cabling.



PLANCHE-MXCW

Rolling tray for MXCW-T10



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Our systems strictly comply with the requirements of European EN 54 and international ISO standards. These certifications, genuine proof of quality and reliability, give you total peace of mind while ultimately guaranteeing the safety of the public concerned.



The EC marking of our products guarantees compliance with the European regulation in terms of safety, health and environmental protection while ensuring their free circulation within the European Union.



Stands for "Restriction of the use of certain Hazardous Substances in electrical and electronic equipment". Our products respect the RoHS European directive (2002/95/EC), the purpose of which is to limit the use of certain heavy metals and other harmful materials.



Our **EN-54** products comply with European safety requirements in terms of fire detection and alarm systems.



EN 54-16 concerns the voice alarm control and indicating equipment.



EN 54-24 concerns the components of voice alarm systems (Loudspeakers).

EN 54-4 concerns the power supply equipment.



Our **ISO 7240** products comply with International safety requirements in terms of fire detection and alarm systems.

ISO 7240-24 concerns the components of voice alarm systems (Loudspeakers).



DANTE is the newest networking standard for audio developed by Audinate. It respects the standard Ethernet standard and is compatible with the future standard AVB. Advantage: high number of channels and multi-format, low latency, native redundancy, automatic network configuration, use of standard Ethernet hardware.



Establishments receiving services from the public shall be such as to enable persons with disabilities to access, circulate and receive information disseminated therein in the areas open to the public. In this context, the installation of a magnetic induction loop amplifier for the hearing impaired Check-out counters, meeting rooms, conference rooms, shows..., is imperative. This does not apply only to E.R.P. but also to the liberal professions and traders.

MAJORCOM is ISO 9001 certified

The ISO 9001:2015 certification of the quality management system demonstrates MAJORCOM's commitment to delivering a quality service and satisfying its customers while constantly improving its quality management systems. The award of an ISO 9001:2015 certificate by a prestigious company like BUREAU VERITAS is proof of high quality and also demonstrates that MAJORCOM complies with the quality management principles recognised at the highest international level.





MAJORCOM:

www.majorcom.fr



PRODUCTS



SOLUTIONS



SERVICES



SUPPORT

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