



MXCSIGN

MXCSIGN Electronic Name Sign

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Important Product Information

Important

Important Safeguards

1. **Read these instructions** - All the safety and operating instructions should be read before the apparatus or system is operated.
2. **Keep these instructions** - The important safety instructions and operating instructions should be retained for future reference.
3. **Follow all warnings** - All warnings on the apparatus and in the operating instructions should be adhered to.
4. **Follow all instructions** - All instructions for installation or use/operating should be followed.
5. **Do not use this apparatus near water** - Do not use this apparatus in a water or moistures environment - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, near a swimming pool, in an unprotected outdoor installation, or any area which is classified as a wet location.
6. **Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture and no objects filled with liquids, such as vases, should be placed on this apparatus.**
7. **Clean only with dry cloth** - Unplug the apparatus from the outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
8. **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions** - Openings in the enclosure, if any, are provided for ventilation and to ensure reliable operation of the apparatus and to protect it from overheating. These openings must not be blocked or covered. This apparatus should not be placed in a built-in installation unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
9. **Do not install near any heat sources such as radiators, heat registers, stoves, air ducts, or other apparatus (including amplifiers) that produce heat.**
10. **Do not install the unit in a place exposed to direct sunlight, excessive dust or humidity, mechanical vibration or shock .**
11. **To avoid moisture condensations do not install the unit where the temperature may rise rapidly.**
12. **Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.**
13. **Only use attachments/accessories specified by the manufacturer** . Any mounting of the apparatus should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
14. **Use only with the 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 - Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

15. **Unplug this apparatus during lightning storms or when unused for long periods of time** . – Not applicable when special functions are to be maintained, such as evacuation systems.
16. **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.

17. **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or having the same characteristics as the original part.

Unauthorized substitutions may result in fire, electric shock or other hazards.

18. **Safety Check** - Upon completion of any service or repairs to this apparatus, ask the service technician to perform safety checks to determine that the apparatus is in proper operating condition.
19. **Overloading** - Do not overload outlets and extension cords as this can result in a risk of fire or electric shock.
20. **Power Sources** - This apparatus should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply you plan to use, consult your appliance dealer or local power company. For apparatuses intended to operate from battery power, or other sources, refer to the operating instructions.
21. **Power Lines** - An outdoor system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outdoor system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.
22. **Object and Liquid Entry** - Never push objects of any kind into this apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

Never spill liquid of any kind on the apparatus. Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it further.

Power Disconnect

Apparatuses with or without On/Off switches have power supplied to the apparatus whenever the power cord is inserted into the power source; however, the apparatus is operational only when the On/Off switch is in the On position. The power cord is the main power disconnect for all apparatuses.

Overview

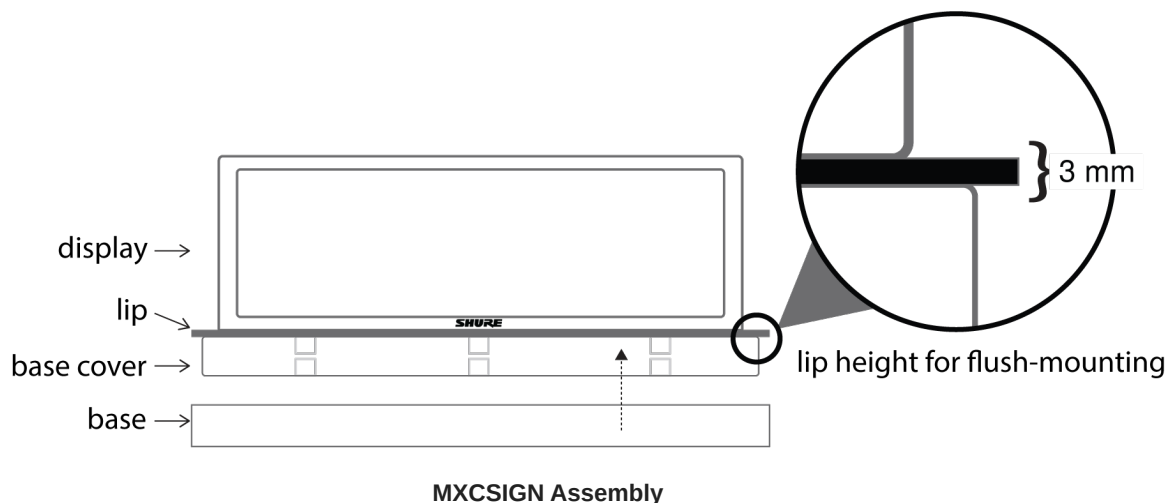
The Shure MXCSIGN features a programmable, dual-sided electronic paper display. High contrast allows for maximum readability and wide viewing angle. Powered and programmable via DCS-LAN, the MXCSIGN can be placed on the table for temporary events, or mounted for permanent installations.

Features

- Displays important information in a conference setting, such as full name or country of origin
- Electronic paper display provides clear, legible text regardless of viewing-angle or excess sunlight
- Included accessory kit allows multiple mounting options
- Writeable using DCS-LAN, compatible with SW6000 advanced meeting management software
- No power required to display content after programming the unit
- Integrates with Shure MXC conferencing systems
- Two-sided display can communicate different content to the audience and participant

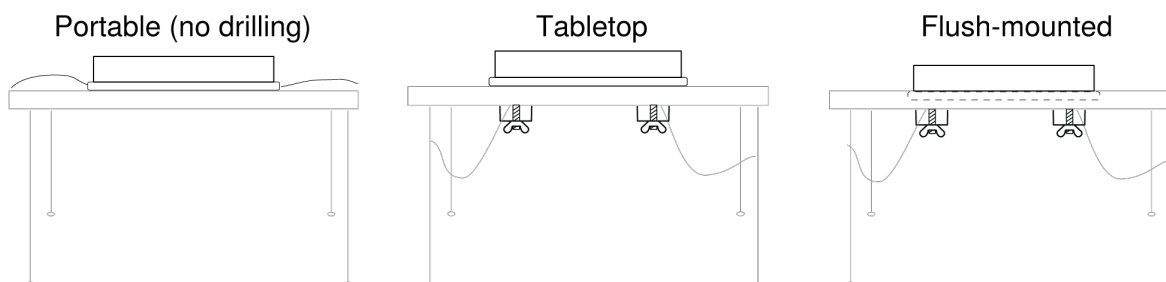
Included Components

- MXCSIGN
- Mounting kit - bracket, screw, wing nut (2 of each)
- Tabletop installation template



Installation

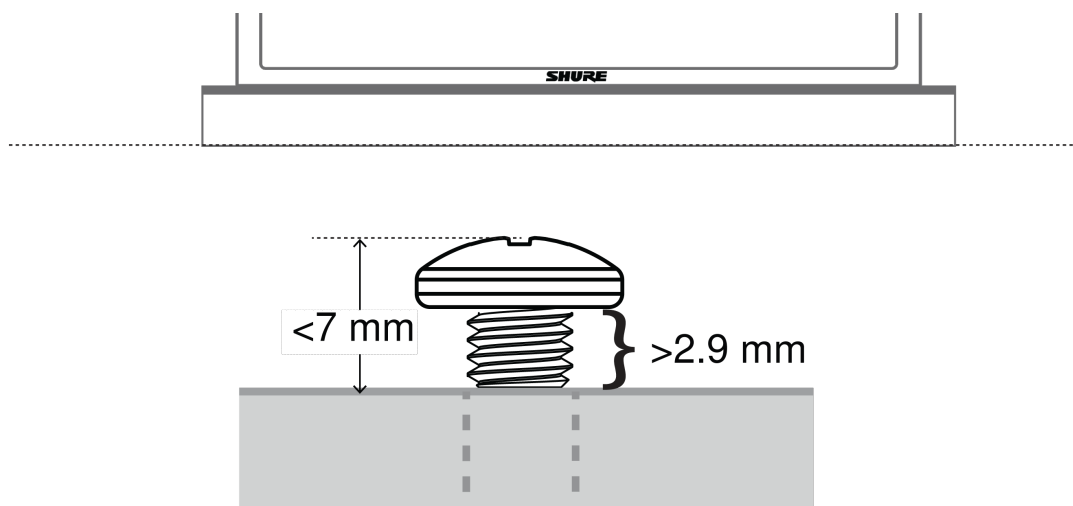
Install the Shure MXCSIGN based on your furniture limitations and installation requirements. There are several installation options:



Flush-Mount or Tabletop

For permanent installations, use the included template to create the necessary cutouts in the tabletop. Flush-mounting conceals the entire base and all cabling inside the table cutout, while tabletop mounting runs cables along the table and uses the MXCSIGN itself to conceal them, requiring less invasive modification to the mounting surface.

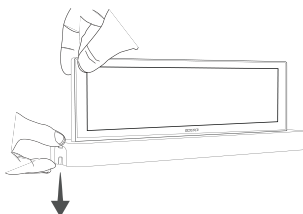
Flush-Mount	Align mounting brackets across the cutout underneath the table. Secure the brackets and MXCSIGN with the included screws and wing nuts.
Tabletop	Either drill holes for the screws and install using the mounting brackets, or use two size 4 screws and slot them into the "keyhole" mounts on the bottom of the base.



Portable (No Drilling)

Avoid modifying the table surface by simply placing the MXCSIGN on the table. The stand cover includes a cable exit to route the DCS-LAN cables out both sides of the unit, and can be removed for permanent mounting.

To remove the stand cover, grasp the display in one hand and press firmly on the lip of the stand cover until it detaches. To replace the cover, slide it back over the base and press upward until it clicks into place.



Power Consumption and Layout Best Practices

MXCSIGN can be connected to a DCS-LAN chain with power and data passed shared with other signs or any available Microflex[®] Complete conference units connected to the same chain.

When connecting units to the DCS-LAN chain, power and data come OUT of the CCU to the IN port on the first device in the chain, OUT of that unit, IN to the next, and so on.

Refer to the online DCS-LAN calculator tool to determine how many MXCSIGN and MXC conference units can be connected, based on cable topology.

Writing to MXCSIGN

Content persists on the MXCSIGN display until it is overwritten with new content or reset to factory settings. Update displays as a group using the DCS-LAN connection. Connecting to the MXC system will also allow you to automate the content using information from SW6000.

Prerequisites for DCS-LAN Integration

Power Supply	Make sure that your system has sufficient power available for writing to the MXCSIGN. See the Power Consumption topic for installation best practices.
DIS-CCU Firmware	8.6.0 or higher
SW6000 Version	6.10 or higher

Name Sign Setup (CCU Integration)

The CCU can write to any MXCSIGN units connected to the same wired network. From the CCU web interface, go to Devices > Name sign setup.

The screenshot shows the 'DIS-CCU System Setup' web interface. On the left is a navigation menu with options: Microphone control, Meeting controls, Audio, Devices (selected), Device setup, Participant setup, Name sign setup (highlighted), Interpretation, System, and Diagnostics. The main area is titled 'Name sign setup' and includes a 'Content selection' section with buttons for 'Participant names' (selected), 'Text lines', 'Identify', and 'Blank'. Below this is a 'Font size change' dropdown set to 0, and two buttons: 'Apply content' and 'Delete all text lines'. A table displays the configuration for various MXCSIGN units:

Serial number	Seat #: Single / Dual A	Seat #: Dual B	Text, first line	Text, second line
006.055.005	1		Peter Jones	
006.135.044	2		John	Smith
005.153.058	3	4	Frank Summer	Jane Doe
005.151.143	5	6		
006.224.220	7	8		

- The Content selection options determine what information is shown on the MXCSIGN:

Participant names	The MXCSIGN displays the content for the associated seat number configured in the Participant setup screen. Consequently, when NFC cards are in use, the participant information from the card is used.
Text lines	Content is pulled from the Text, first line and Text, second line fields. Note: When a number is assigned under Seat #: Dual B, the first line of text corresponds to the participant in Seat A, the second line corresponds to the participant in Seat B.
Identify	The serial number and assigned seat number (if any) is displayed.
Blank	All information is removed from the MXCSIGN.

- Font size change defaults to 0, which represents the default font size for the assigned template. Fonts can be increased or decreased, with values ranging from 190 to -70.

- Apply content pushes the selected information to the connected MXCSIGN units
- Delete all text lines clears the values in the text line fields

Display Templates

Information sent to the MXCSIGN from the CCU uses predefined templates depending on what fields are populated:

Active Content	Seat #: Single / Dual A	Seat #: Dual B	Text, first line	Text, second line	Template
Participant names	X				Participant Name
	X	X			<Participant Name A Participant Name B>
Text lines	X		X		Text, first line
	X		X	X	Text, first line Text, second line
	X	X	X	X	Text, first line Text, second line

SW6000 Integration

SW6000 conference management software enables comprehensive control and management of conferences using MXC Conference System hardware. The MXCSIGN integrates natively with the software and allows for dynamic updating of the display, according to properties from the software database.

More Information Online

For installation and configuration information, go to pubs.shure.com

Specifications

Connector Type

DCS-LAN	(2) RJ45
Standalone	(1) USB Micro-B Receptacle

Power Requirements

48V DC (DCS-LAN) or 5V DC (USB)

Power Consumption

4W, maximum

Weight

1.7 kg (3.75 lbs)

Flash memory storage

64 MB

Display Resolution

1904 x 464 Pixels (DPI: 133)

Active Area

363.664 x 88.624 mm

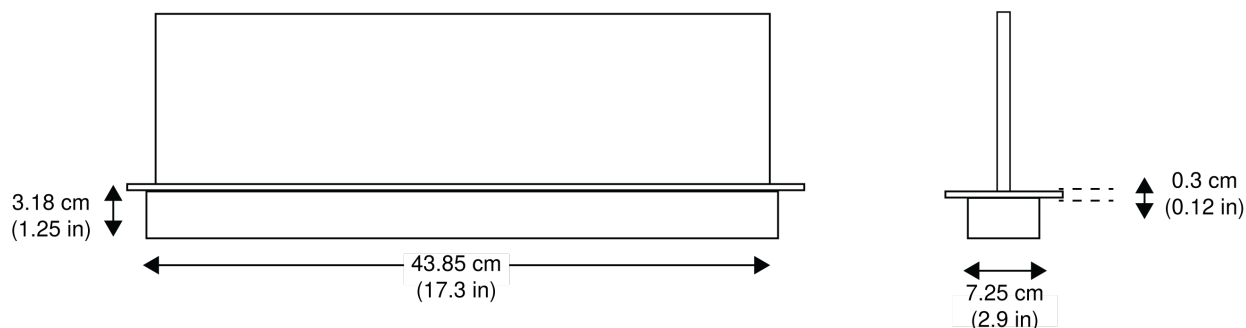
Operating Temperature Range

-6.7°C (20°F) to 40°C (104°F)

Storage Temperature Range

-29°C (-20°F) to 74°C (165°F)

Dimensions



Compliance

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

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.

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

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.

Authorized under the verification provision of FCC Part 15B.

Please follow your regional recycling scheme for batteries, packaging, and electronic waste.

Information to the user

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: 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.

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 has been tested and found to comply with the limits of the following for a Class A digital device:

- EN55103-1 (Emission)
- EN55103-2 (Immunity)
- FCC rules part 15, class A (Emission)
- ICES-003 of Industry Canada
- IEC 60065

Cleaning

To keep the cabinet in original condition, periodically wipe it down with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use organic solvents such as thinners or abrasive cleaners since these will damage the cabinet.

Repacking

Save the original shipping box and packing material; they may be used to ship the unit. For maximum protection, re-pack the unit as originally packed from the factory.

Warranty

The units are covered by a 24 month warranty against defects in materials or workmanship.

Certifications

This product meets the Essential Requirements of all relevant European directives and is eligible for CE marking.

Compliant to electrical safety requirements of IEC 62368-1 and IEC 60950-1.

The CE Declaration of Conformity can be obtained from: www.shure.com/europe/compliance

Authorized European representative:

Shure Europe GmbH

Headquarters Europe, Middle East & Africa

Department: EMEA Approval

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