



Lumens[®]

| Shure MXA710 &
CamConnect Pro
Setting Guide

Discovering MXA710

Preface:

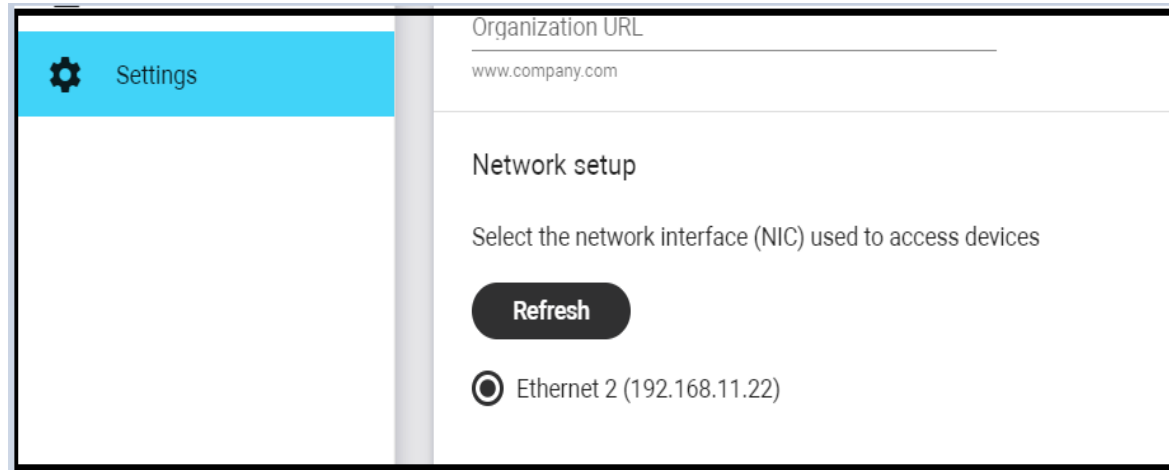
- Get Designer
- Discover and Select MXA710 for operation

1. Discover MXA710 in Designer

1.1 **Get Designer here:** https://www.shure.com/en-US/products/software/designer_software

1.2 Launch Designer and go to [Online Devices].

- *Note = if MXA710 does not appear in [Online devices], go to [Settings]; choose your NIC (Network interface card) and select [Refresh]*



1. Discover MXA710 in Designer

1.3 **Discover and Select MXA710**: After ensuring 1.2, go back to [Online Devices], your MXA710 should appear as below; Select it by clicking/checking on [Button] as below.

The screenshot shows the 'Designer' application interface. The left sidebar contains navigation options: 'My projects' (1), 'Online devices' (highlighted in green), 'Event log', and 'Settings'. The main area is titled 'Online devices' and includes a search bar, 'Add cross-subnet devices' button, and 'IP scope: None' dropdown. A table displays the following data:

<input type="checkbox"/>	Device name ↑	Device model	IP address	Room	Firmware version
<input type="checkbox"/>	MXA710-4FT-608166	MXA710-4FT	192.168.11.18	501	1.5.16 ●

A green border highlights the entire table row. A red box highlights the selection checkbox, and a red arrow points to it with the text 'Select/Check this for operation'. Below the table, the text 'MXA710_discovered in Designer' is displayed in green.

MXA710 Room Level Settings

Preface:

- MXA710 Room Orientation setting.
- Creating a Room with MXA710_workspace.
- Set room dimension in relation to position/orientation of MXA710.
- Set/Define MXA710 lobes/channels in coverage map.
- Fine tune channels/ lobes in Coverage map.
- Fine tuning of lubes/channels in IntelliMix.

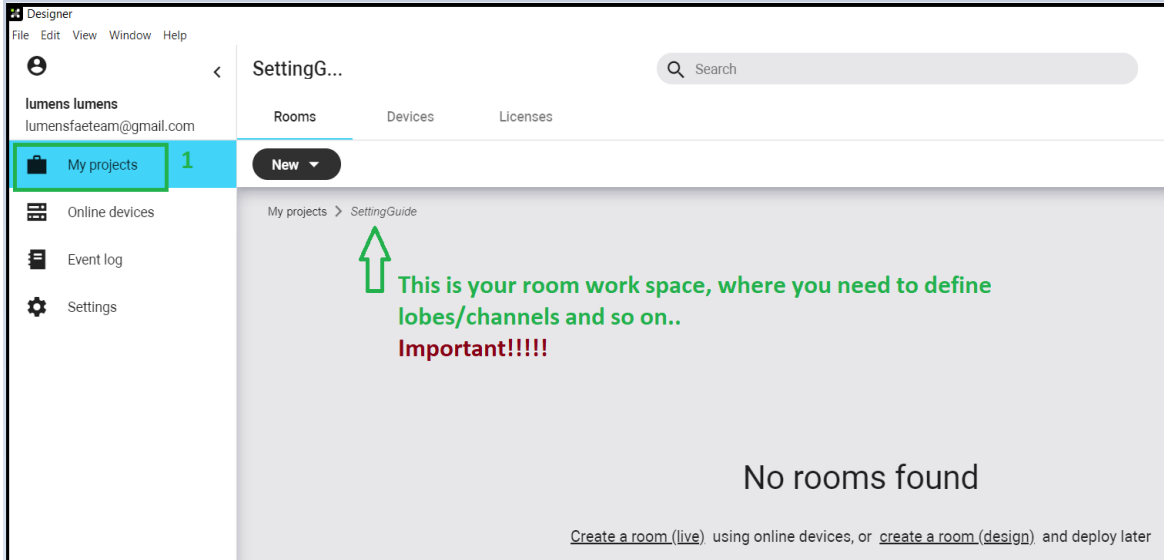
2. Setting up MXA710 in room (room level settings)

2.1 **MXA710 room orientation setting:** (Wall _ vertically, Wall _ Horizontally, Ceiling or table).

Wall Horizontally is shown here;

2.2 In Designer go to [My Projects] and define a name; ex. Name= 501.

- Click [Create].



Designer
File Edit View Window Help

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My projects 1

Rooms Devices Licenses

New

My projects > SettingGuide

↑ This is your room work space, where you need to define lobes/channels and so on..
Important!!!!

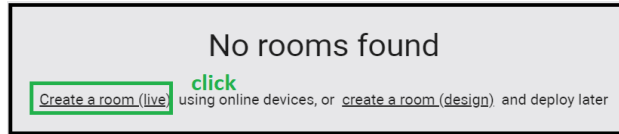
No rooms found

[Create a room \(live\)](#) using online devices, or [create a room \(design\)](#) and deploy later

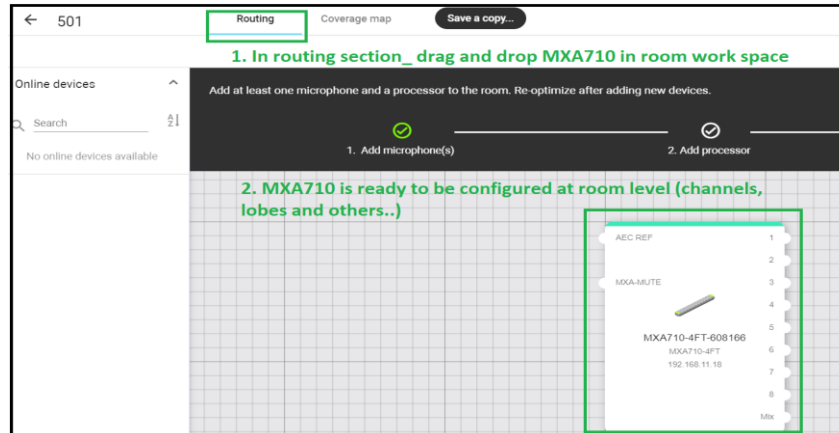


2. Setting up MXA710 in room (room level settings)

2.3 **Creating a Room**; As in 2.2, click on [Create a room (live)].



2.4 Drag and Drop your MXA710 in room/work space; Make sure you select MXA710 as shown in 1.3. (select the microphone check box to bring online).



2. Setting up MXA710 in room (room level settings)

2.5 Set room dimension in relation to position/orientation of MXA710.

- Go to [Coverage Map]. Define room (Length X Width X Height)

The screenshot displays the Lumens software interface for setting up a room. The top navigation bar shows 'Routing' and 'Coverage map' tabs, with 'Coverage map' selected. A 'Save a copy...' button is visible. Below the navigation bar, there is a 'Properties' sidebar on the right. The main workspace shows a grid with a room outline labeled '30 x 30 x 9 (ft)'. A red box highlights the 'Properties' sidebar, and a red arrow points to the 'Optimize' step in the workflow.

1. select [Coverage Map]

Add at least one microphone and a processor to the room. Re-optimize after adding new devices.

1. Add microphone(s) 2. Add processor 3. Optimize

2. Set Width, length & height of your room in relation to MXA710.

Enter here

Properties

Workspace

Width (ft)
30

Length (ft)
30

Height (ft)
9

Grid

Starting point - X (ft)
0

Starting point - Y (ft)
0

2. Setting up MXA710 in room (room level settings)

2.5 **Set/Define MXA710 lobes/channels:** 4ft MXA710 max channels = 8, for demonstration purpose I set 5 channels.

← 501 Routing Coverage map Save a copy... 1. Go to coverage Map

Grid & guides Units: Feet Configure Add channel Select channel Flip horizontal Remove device

Layers

MXA710-4FT-608166

Online devices Search

Properties

General

Device name: MXA710-4FT-608166

Dante device name: MXA710-4-f680b7

Device model: MXA710-4FT

Identify

Position Device control Control network Audio network

2. Add channels

Add at least one microphone and a processor to the room. Re-optimize after adding new devices.

1. Add microphone(s) 2. Add processor 3. Optimize

MXA710 Placed at $16/2 = 8$ ft

Example: 5 channels/lobes in room

Drag and drop_place MXA710 in room with proper dimensions_Very Important!!!

also make sure the Angles in MXA710 corresponds to seating arrangements of your room

16 x 18 x 5 (ft)

2. Setting up MXA710 in room (room level settings)

2.5 **Fine tune channels/ lobes:** The solid line per each lobe/channel shows where pick up is strongest.

- Lobes` edge is -6db down from solid line. When fine tuning lobes, have someone at each seat position (as voice source).

Routing Coverage map Save a copy... 1. Go to [Coverage Map]

Remove channel Channel 1

dd at least one microphone and a processor to the room. Re-optimize after adding new devices.

1. Add microphone(s) 2. Add processor 3. Optimize

16 x 18 x 5 (ft)

2. lobe 1/channel 1

Strongest pick up area of lobe 1

change settings of lobe/channel 1 here:

Channel name
Channel 1

Dante channel name
Channel 1

Shape
Narrow

Control

Gain (dB)
0

Mute

2. Setting up MXA710 in room (room level settings)

2.6 **Fine tuning of lobes/channels in IntelliMix:** All settings in room level will be shown in IntelliMix, save your room setup / workspace first then perform fine tuning such as gating sensitivity and others in IntelliMix.

The screenshot displays the IntelliMix software interface. On the left, there are five channel strips (Channel 1 to Channel 5) and an Automix Out strip. Each strip includes a 'Send to mix' button, a gain knob, and various processing buttons like AGC, Solo, Priority, Always on, and Mute. A green arrow points from the Automix Out strip towards the settings panel on the right. The settings panel on the right shows 'Settings' for 'Automix mode' and 'Gating'. The 'Gating' section includes options for 'Automix gain meter', 'Maximum open channels' (set to 5), 'Leave last mic on' (checked), 'Off attenuation' (set to -20 dB), 'Hold time' (set to 400 ms), and 'Gating sensitivity' (a slider from Low to High).

1. Changes done in [Cover map] will be reflected here.

2. Further fine tune lobes and channel, such as gating sensitivity and others.

CamConnect Pro (AI-BOX1) Settings

Connected State_AI-Box1 and MXA710

Preface:

- CamConnect, Three basic connection steps
- Quick demo of connected state array (CamConnect) & MXA710 lobe/channel mapping

3. Connecting CamConnect with MXA710

3.1 Three Basic connection Steps:

Below items are found under [Supported Device & Settings] HDMI/Web interface.

- From Device drop down list select = Shure MXA710.
- Enter MXA710's IP address = [example : Device IP = 192.168.11.18].
- Connect toggle bar set to connect = [Connect = move toggle to right].

Lumens

Device & Setting | System | Video Output Setting | Maintenance | About

Device Numbers: 1 | Testing mode:

Shure:MXA710

1. Select device = MXA710

2. Enter MXA710 IP as in Designer

Device: Shure:MXA710

Device IP: 192.168.11.18

Device Port: 2202

3. Connect

Connect: Apply

Advanced

Array No.	Camera	Preset No.
1	Off	1
2	Off	2
3	Off	3
4	Off	4
5	Off	5
6	Off	6
7	Off	7
8	Off	8

Mic. Array No.: 1

If configured properly, camconnect will detect sound sources from lobes of MXA710

3. CamConnect & MXA710 Array and Lobe/Channel mapping

Quick demo of connected state array (Camconnect) & MXA710 lobe/channel mapping:

- Camconnect Webinterface & MXA710 intelliMix interface shown. Press [Configure] in room workspace to access IntelliMix.

CamConnect: Array #1 Activated

Array No.	Camera
1	Off
2	Off
3	Off
4	Off
5	Off
6	Off
7	Off
8	Off

Mic. Array No.: 1

IntelliMix Interface: MXA710-4FT-608... Mute Bypass all EQ EQ contour IntelliMix

Channels: Channel 1, Channel 2, Channel 3, Channel 4, Channel 5, Automix Out

Gain controls (dB) and buttons (AGC, Solo, Priority) are visible for each channel.

Lobe #1 Activated (highlighted in red box)

Automix mode: Gating

Automix gain

Maximum open chann 5

Leave last mi

Off attenuation -20

Thank You!



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