



**Bid No. 13-17: Proposal for City Hall
Council Chambers and Room 280A Audio/Visual and Television Production System
Improvements/ Addendum No. 1**

**CITY OF BEVERLY HILLS
INFORMATION TECHNOLOGY DEPARTMENT
455 NORTH REXFORD DRIVE
BEVERLY HILLS, CALIFORNIA 90210**

Date of Request: October 24, 2012

Bid Number: 13-17

Item Description: The City of Beverly Hills invites prospective respondents to submit proposals for to provide audio/visual and television production system improvements for City Hall Council chambers and room 280a including all necessary equipment. Proposals must be submitted in accordance with the conditions outlined in this Request for Proposals (RFP).

Question Period: Monday, October 29th – Tuesday, November 6th @ noon (Pacific). All inquiries must be received via e-mail during this period.

Open Date: Wednesday, November 14, 2012 at 2:00 p.m. (Pacific)

Cumulative Q&A: Below is the cumulative list of questions and answers submitted by potential bidders.

1. Confirm AV contractor to provide high voltage electrician for electrical work to LED's and cameras in Room A. Or do we simply advise city as to what will be required?

Answer: Please provide electrician to complete the necessary work.



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2. Council Chambers major equipment list – what is purpose of Gefen GTV-HDMI-2-COMPSVID? It is not in single line design.

Answer: It is not required, delete from equipment list.

3. Room A major equipment list – various quantities do not match single lines. We assume single lines are correct. Please confirm.

Answer: Assume single lines are correct.

4. Parts list shows 1 CX302 in Room A, but drawings show CX204V

Answer: Price for the CX204V for bidding purposes. As per dwg AV7.13 – final amplifier choice shall be made by the contractor, once existing speaker cabling has been investigated. We recommend you.

5. Parts list shows 4 CIML4-HP cards, but drawings show 5

Answer: Qty is 5 – drawing is correct.

6. Parts list shows 4 COL4 cards, but drawings show 2.

Answer: Qty is 2 – drawing is correct.

7. Is there any narrative of the desired functionality for the AMX new system?

Answer: No, not specifically; however more information follows. It's expected that all devices connected to the system will be programmed for full control, feedback and maintenance modes within AMX. The level of access to that level of control on a per touch screen basis would be dependent on its location – ie very simplified room device control and video routing for access to system parameters and configs in Rack Rooms and full overall control from TV Control Room. AMX shall also be programmed to be the front end to Qsys.

Programming for the administrative panels in the 2 racks and the control room will be more extensive and every connected device should be included in the new programming, so that includes the AMX video matrices, new LCD displays, DVD players, the Qsys DSP system with all of its connected I/O and amplifiers, the wireless microphone receivers, the podium lift motors, the microphone switch and status light lines etc. are included. All devices that offer device feedback or monitoring (such as amplifiers) should have that status available on AMX screens. Administrative panels needs to have all of it current functional programming, plus I/O routing between Qsys and the Yamaha console AES



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Inputs, recordable Yamaha audio console snapshots, and pages to access Qsys connected channel levels, routing and EQ (akin to an on screen mixer for microphones). Also access to all devices in each room for status and override control.

Further, Staff desk panels should have a simple warning flashing icon if something in the system is wrong or offline – this would also have been received at the control room and rack room screens, but with more detail. With the new panels, programming shall enable intercom between and talk direct to the panels via the built in video intercom for troubleshooting.

8. Is there an available file of the current control system and/or operations manual that shows all of the current program's pages and functions?

Answer: Existing control system programming code files will be made available to the awarded bidder with no warranty that the files can be used for the new programming. There is no operations manual; however there are screen shots of the existing staff desk user control panels as attached. It's anticipated that the existing program functions will closely resemble the 2 user panel functions located in chambers and Room A.

9. Please advise as to how the new program's pages and functions are to be determined.

Answer: The specifications require a collaborative approach to system programming between the contractor and the City. A programming meeting between both parties, after contract award, will kick off that process.

Discontinued AMX Items Notice

It has just been brought to our attention by the manufacturer that some of the AMX devices specified are or about to be discontinued, please make the following changes to the equipment:

DELETE - AMX-NXF-Mini - Netlinx Mini Card Frame - total qty 2
AMX-NXC-REL10 – Relay Card – total qty 4 – REPLACE with AMX EXB-REL8 -
ICSLan Relay Interface, 8 Channels – total qty 4
AMX-NXC-I/O10 – Input/Output Card – total qty 4 – REPLACE with AMX EXB
I/O8 - ICSLan Input/Output Interface, 8 Channels – total qty 4
ADD – AMX PS-POE-AF - POE Injector – total qty 8
ADD – AMX-VSTYLE-RMK-1U – rack mount tray – total qty 2



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Note – the EXB units will each need to connect to the network switch in each rack room – use POE injectors for power, rather than relying on the network switch for POE power.

Cut Sheets for new models mentioned above are attached.

ICSLan Relay Interface, 8 Channels

EXB-REL8 (FG2100-20)



Overview

ICSLan Device Control Boxes allow users to manage devices remotely from a Controller over an Ethernet network. Ethernet has become the industry standard for connecting devices and the ICSLan Device Control Boxes make it easy to introduce Ethernet-based control to remote equipment over standard twisted pair cable. Additionally, they can be used to increase the number of ports on an AMX Controller when all ports are fully populated. Because they employ Native NetLinX Technology, it is extremely simple to add an ICSLan Device Control Box to an AMX installation.

Common Applications

Conference rooms, classroom or auditoriums where a single controller is used to manage multiple devices such as projectors spread throughout a facility or to add additional ports to an AMX Central Controller.

Features

- **Enable Ports over Ethernet** – Provides a future proof solution to add ports anywhere
- **Easy to Program** – Programming is identical to any other device port on the Controller
- **Power over Ethernet** – Eliminate the need for a power source at the install location
- **Small Form Factor** – Compact design makes it easy to hide for a clean installation
- **NetLinX Studio Tools** – Configuration tools make ICSLan Device Control Boxes easy to deploy

Dealer Benefits

- **Standard, Ethernet-Based Interface** – Familiar installation methodology using standard switches rather than proprietary distribution hardware
- **Easy to Program** – Programming is identical to any other device port on the Controller
- **Easy to Install** - Compact size, Power over Ethernet and compatible with any AMX Central Controller

Customer Benefits

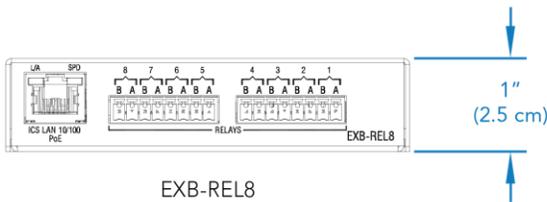
- **Control Any Device** – Provides the ability to control devices that may be far from a controller
- **Cost Effective Solution for Smaller Rooms** – Leverage the power of a single central controller across multiple rooms
- **Out of Sight** - Compact design makes it easy to hide for a clean, elegant look

Specifications

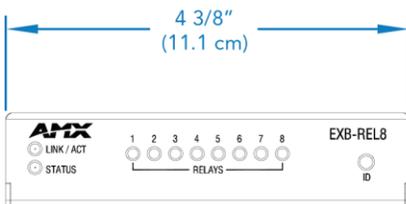
GENERAL	
Dimensions (HWD)	1" x 4 3/8" x 5 1/8" (2.5 cm cm x 11.1 cm x 13.00 cm) (1/4 RU Width x 1 RU Height)
Weight	1.02 lb (463 g)
Power	PoE Powered – No local Power Supply needed Typical power draw: 1.9 Watts Max power draw: 3.4 Watts
Operation	8 relays, 1A @ 24VAC / 28VDC
Status LEDs	1 Green LED shows connection and power status 1 Green LED shows Ethernet Link status and activity 8 Red LEDs (1 per relay) show relay activity
Connections / Wiring	1 RJ-45 ICS-LAN Ethernet Connector 2 8-Pin 3.5mm captive-screw terminals
Certifications	FCC Part 15 Class B C-Tick CISPR 22 Class B VCCI CISPR 22 Class B CE EN 55022 Class B CB Scheme IEC 60950-1 cULus UL 60950-1



EXB-REL8
(Top View)



EXB-REL8
(Back View)



EXB-REL8
(Front View)



EXB-REL8
(Right View)

About AMX

AMX hardware and software solutions simplify the implementation, maintenance, and use of technology to create effective environments. With the increasing number of technologies and operating platforms at work and home, AMX solves the complexity of managing this technology with reliable, consistent and scalable systems. Our award-winning products span control and automation, system-wide switching and audio/video signal distribution, digital signage and technology management. They are implemented worldwide in conference rooms, homes, classrooms, network operation / command centers, hotels, entertainment venues, broadcast facilities, and more. ©2011 AMX. All rights reserved. **Specifications subject to change. Revised 17-Nov-11.**

AMX.com | 800.222.0193 | 469.624.8000 | +1.469.624.7400 | fax 469.624.7153

ICSLan Input/Output Interface, 8 Channels

EXB-I/O8 (FG2100-21)



Overview

ICSLan Device Control Boxes allow users to manage devices remotely from a Controller over an Ethernet network. Ethernet has become the industry standard for connecting devices and the ICSLan Device Control Boxes make it easy to introduce Ethernet-based control to remote equipment over standard twisted pair cable. Additionally, they can be used to increase the number of ports on an AMX Controller when all ports are fully populated. Because they employ Native NetLinX Technology, it is extremely simple to add an ICSLan Device Control Box to an AMX installation.

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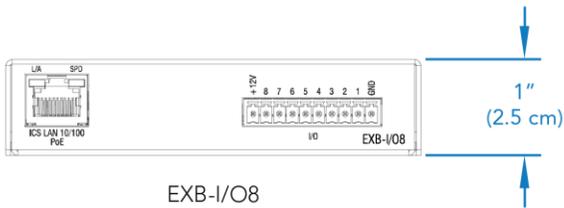
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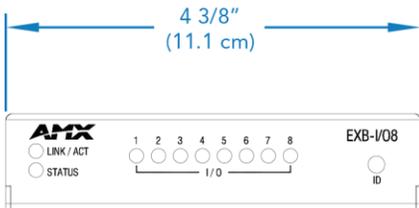
GENERAL	
Dimensions (HWD)	1" x 4 3/8" x 5 1/8" (2.5 cm cm x 11.1 cm x 13.00 cm) (1/4 RU Width x 1 RU Height)
Weight	1 lb (454 g)
Power	PoE Powered – No local Power Supply needed Power draw: 1.9 Watts
Operation	8 Input / 8 Output channels
Status LEDs	1 Green LED shows connection and power status 1 Green LED shows Ethernet Link status and activity 8 Yellow LEDs (1 per I/O) show Input/Output activity
Connections / Wiring	1 RJ-45 ICS-LAN Ethernet Connector 1 10-Pin 3.5mm captive-screw terminal (RS-232/422/485 port)
Certifications	FCC Part 15 Class B C-Tick CISPR 22 Class B VCCI CISPR 22 Class B CE EN 55022 Class B CB Scheme IEC 60950-1 cULus UL 60950-1



EXB-I/O8
(Top View)



EXB-I/O8
(Back View)



EXB-I/O8
(Front View)



EXB-I/O8
(Right View)

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Specifications subject to change. Revised 17-Nov-11.

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Control System Accessories

PoE Injector



When you need to get power and data through a single cable to remotely located Power-over-Ethernet (PoE)-enabled devices, look no further than the AMX PoE Injector. This single port, self-contained PoE gigabit power supply “injects” DC power and data through the same Cat 5 Ethernet cable, eliminating the need for an AC outlet at each end device location. This results in easier installation, less wiring and a decrease in installation cost.

ON DEMAND POWER

Metreau Entry Communicators, MAX Encoders and Decoders, wireless LAN access points, IP phones and other PoE-enabled devices can receive power and data on demand – all over a single Ethernet connection.

REMOTELY LOCATED

The PoE Injector extends the distance between PoE devices and standard power outlets - up to 100 meters (328 feet)! This opens up new frontiers of possibility for all kinds of installations regardless of AC outlet locations.

- Dual RJ45 Jacks built into the enclosure
- 10/100/1000 (MbPS) Data Rates
- Efficiency - 65% Typical @ maximum load
- Protection Type: Auto-Recover
- Meets IEEE802.3af requirements
- Load Diagnostic LED
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Complies with EMI/RFI Regulations
- IEC 60320 C14 chassis plug



PRELIMINARY SPECS - SUBJECT TO CHANGE

PS-POE-AF (FG423-80)**DIMENSIONS (HWD)**

5 1/4" x 2 1/8" x 1 7/16" (13.3 cm x 5.4 cm x 3.6 cm)

DC POWER OUTPUT

- Provides up to 15 watts of power, delivered over 328 feet (100 meters) of Cat5 cable
- Short circuit, overload protected

AC POWER INPUT

- Voltage Range - 100-240 VAC
- US power cord included (110 VAC installations only)

ENCLOSURES

Molded black matte plastic with built-in dual RJ-45 jacks

WEIGHT

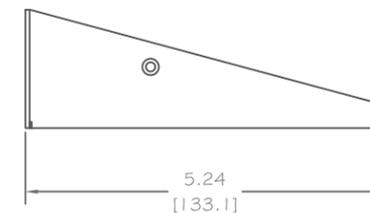
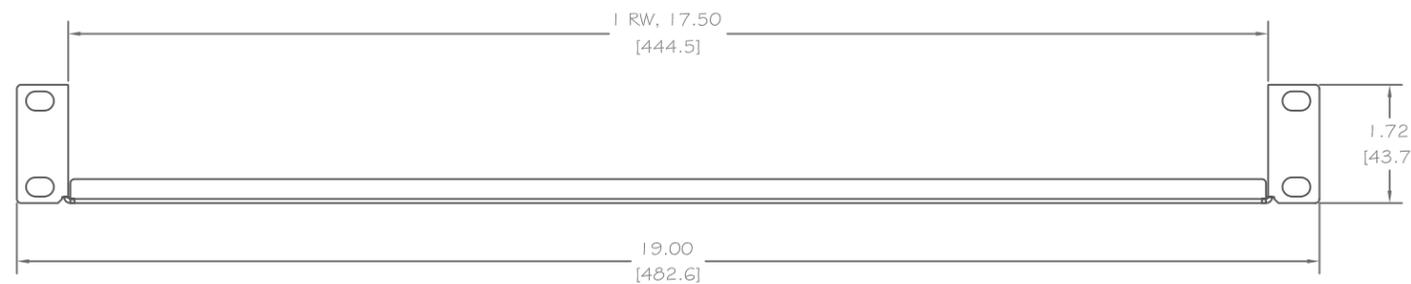
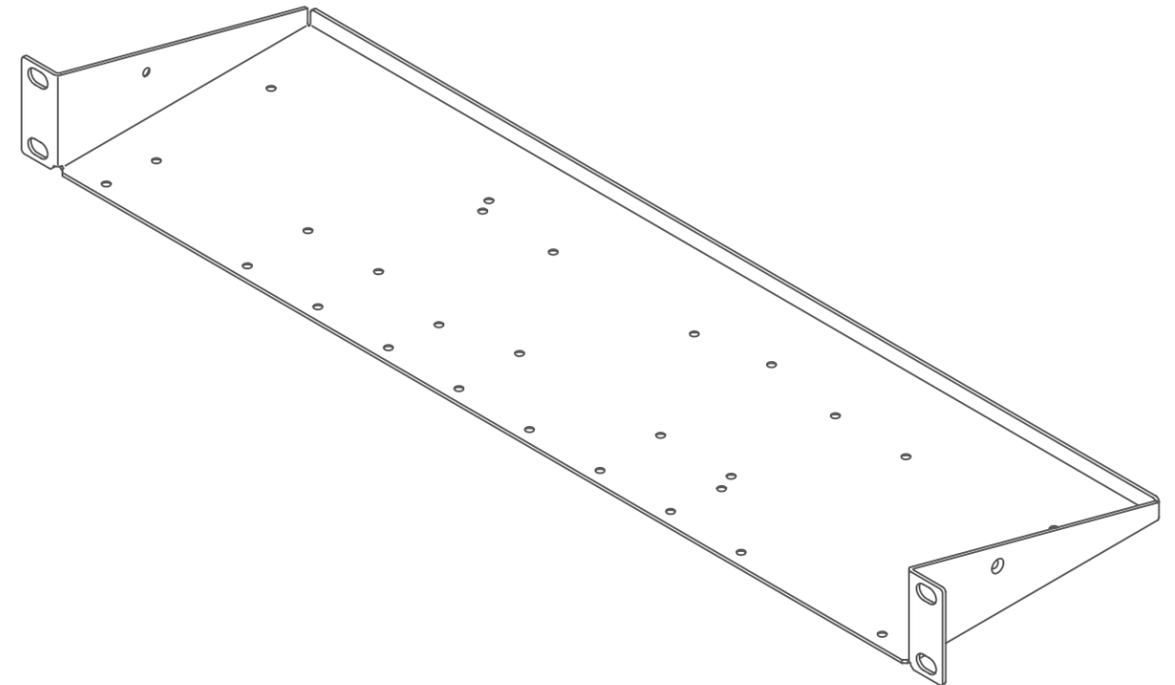
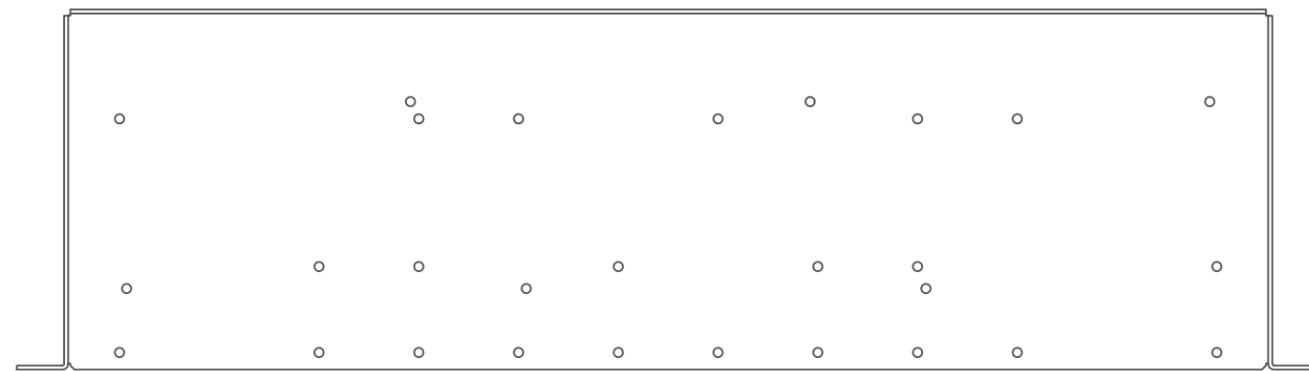
.44 lbs (0.2 kg)

Technical Drawing Forthcoming



IT'S YOUR WORLD. TAKE CONTROL.

REVISIONS				
REV	ECN	DESCRIPTION	DATE	DSNR
A	15112	DRAWING RELEASE	8/17/09	JSH



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AMX AMX, AUTOPATCH GROUP
2416 CHENEY-SPOKANE RD.
CHENEY, WA 99004

PICTORIAL, V STYLE MODULE, RACK
MOUNTING TRAY

SIZE	SCALE	DWG NO.	REV
B	3:8	95-1010-720	A
FILE	95-1010-720_A.DWG	SHEET	1 OF 1



Audio Visual Control System

Podium

Podium
Raise

Podium
Lower

Audio

Council
Meeting

Table
Conference

Off

Mic
Control

Lights

Council
Meeting

House

Slide Show

Off

Video

Podium
Laptop 1

Podium
Laptop 2

Staff
Laptop

Blank

On

DVD
VCR

Staff
Video

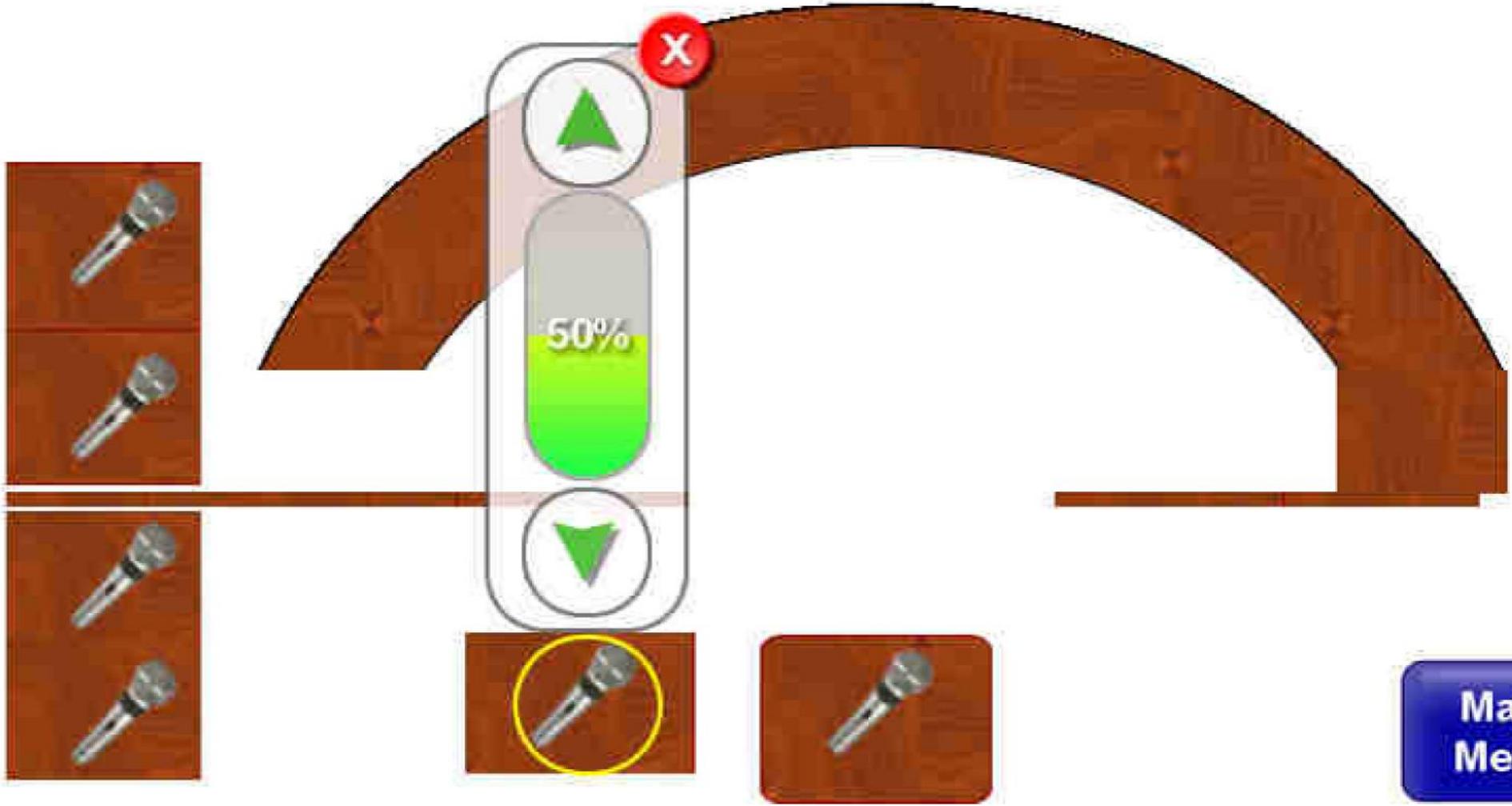
Control
Room

Advanced

Off

- VCR Controls





Main Menu