Guest Module Series™

CONTROL SURFACES

User Guide

JK Audio

Welcome

Thank You

Thank you for purchasing a JK Audio Guest Module Control Surface. Please read this guide for instructions on setting up and using your new product.

Getting Assistance

If you have technical or application questions:
In the US & Canada, call us toll free at: **800-552-8346**
All other countries dial: **815-786-2929** (M-F 8:30-5:00pm Central Time Zone)
Email us at: support@jkaudio.com
Or, check out our FAQ section for answers to common questions.

Limited Warranty

The Guest Module Series is covered by a 1 year warranty to be free from defective workmanship and materials. To obtain service, contact JK Audio by phone or email for return authorization. Once authorized, you will carefully pack and ship the faulty product and all accessories to us. You will pay for shipping to us and we will pay for return back to you.

This warranty does not cover damages due to accident, weather, fire, flood, earthquake, misuse, unauthorized repairs or modifications, or damages occurred in shipping, only defective workmanship or materials.

THERE ARE NO EXPRESSED OR IMPLIED WARRANTIES WHICH EXTEND BEYOND THE WARRANTY HERE MADE.

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Features

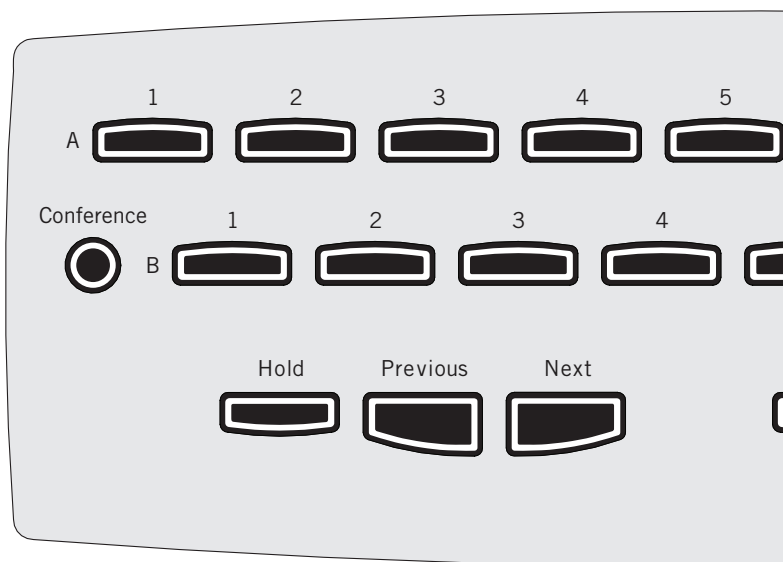|	
LED Line Selection Buttons	Hot-Swappable
Next, Previous, Hold & Drop	Aluminum and steel construction
Auto Answer	DTMF Keypad
Conference Calling	

Introducing the Guest Module Series™

Introducing the Guest Module™ series of smart control surfaces for the Concierge™ Talk Show System. Up to eight Guest Module control surfaces can be added to provide remote control of the switch matrix over CAT5 cable. Guest Modules are hot swappable without losing calls, and feature line selection buttons that change color to indicate call status. Guest Modules are available in GM1x6, GM2x6, and GM1x12 desktop and rack mount versions. They feature durable aluminum and steel construction with a sealed silicone rubber keypad.

The "Hot-Swappable" capability is not a repair feature. On the contrary, we expect Guest Modules to function for years without fail. The hot-swappable feature speaks more about the architecture of the system. Call control resides in the Concierge switch, allowing Guest Modules to be added and removed without losing calls. This design allows you to simply add or move Guest Modules during a show. No system programming or address switches to set. Just plug it in and go On Air.

Line Buttons

The backlit line buttons change color to indicate phone line state. The interface is quite simple, with only a few visual indicators to remember. You will immediately recognize the similarities to legacy PBX systems:

Ringing = Flashing white

Hold = Wink blue (Wink = 450 msec on, 50 msec off)

Talking = Solid white

In Use = Solid red

Press a Line button to select a ringing or held line, or to take a new line off-hook before dialing.

See the Auto-Drop description below for the disposition of the current call when a Line button is pressed.
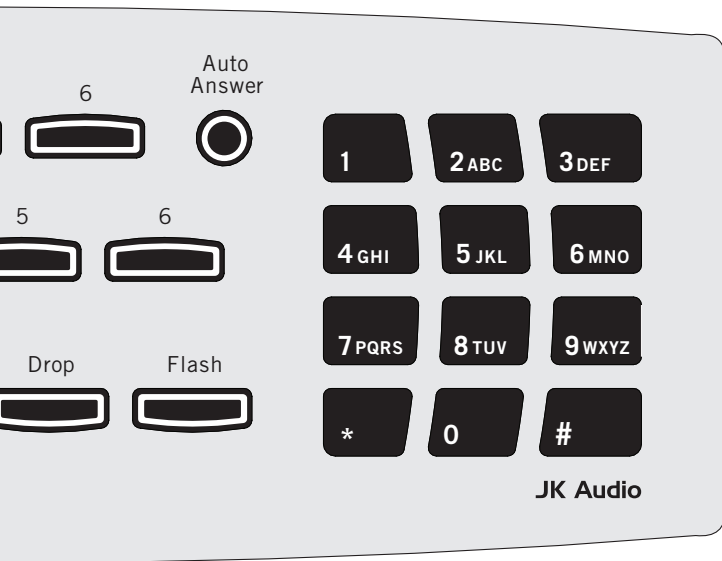
Row A / Row B

The role of each row depends on your system configuration. In a simple installation consisting of one innkeeper 1rx hybrid, Row A would be the main hybrid output, placing callers on air. Row B would likely connect the screener to Aux phone 2/B.

In a two hybrid installation, Row B may function as the main hybrid output in a second studio. Functionality is determined by the installer.

Flash and DTMF keypad

These keys send dialing commands to the current active hybrid call. These keys do not affect Aux Phone calls.

Conference

Press once to start a Conference. Lit white to indicate active Conference. Press again to end the Conference.

Auto-Answer

Press once to enable Auto-Answer. Lit white to indicate Auto-Answer enabled. Press again to disable Auto-Answer.

Hold

Pressing once places the currently active call on Hold.

Previous

Lit white when an available option. Previous returns you to the last caller if they are still on Hold.

See the Auto-Drop description below for the disposition of the current call when Previous is pressed.

Next

Lit white when an available option. Next connects you to the next caller in the call queue. This would be the longest line on hold, or the first line that began ringing.

See the Auto-Drop description below for the disposition of the current call when Next is pressed.

Drop

Simply disconnects the current call.

Auto-Drop (Concierge™ System Setting)

Most PBX phone systems (and talk shows systems for that matter) are built on the premise that when you are done talking to one person, and you select a different line, the first caller automatically gets disconnected. In other words, you have to go through an extra step to place a call on hold. While this has the distinct advantage of allowing you to get through calls quickly, you are also more likely to accidentally lose a call. With Concierge, you have a choice:

When Auto-Drop is ON, calls are automatically dropped when pressing a different line number, or the Next or Previous button, unless you specifically put a call on hold.

When Auto-Drop is OFF, calls are automatically put on hold whenever a different line number, or the Next or Previous button is pressed.

Auto-Drop is a system wide option set by a front panel DIP switch on the Concierge™ switch.

Adding Guest Module Control Surfaces

A maximum of four guest modules can be connected to each of the two Guest Module ports, for a system maximum of eight Guest Modules. The dual connection ports on each Guest Module allow for quick daisy-chain wiring, or you may simply run all cables back to a terminal block to allow for point-to-point wiring. The maximum distance from Concierge to the farthest Guest Module is a function of the number of Guest Modules connected, as well as the the gauge of the wire chosen. Standard 26 gauge cable can be used on runs shorter than 100 feet, but as distance and the number of units increase, you may need to consider 24 gauge CAT5 wire.

While Guest Modules use standard CAT5 cable, the communications protocol is balanced differential RS-485 using a custom pinout. This is not an Ethernet connection, and should not be connected to a data hub or switch.

Technical Information

GM1X6, GM2X6, GM1X12

Size	9.5" x 3.5" x 1.2" (24 x 9 x 3 cm)
Weight	1.25 pounds (0.5 kg)

GM1X6R, GM2X6R, GM1X12R

Size	19" x 3.5" x 1.2" (48 x 9 x 3 cm)
Weight	1.75 pounds (0.8 kg)

FCC Part 15 Compliance

This device complies with Part 15, Subpart B 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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by JK Audio can void the user's authority to operate the equipment.

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