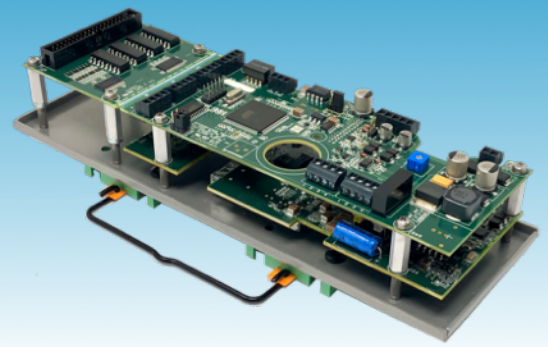


# V-Com

Model VCOM-VC16K

16-Zone Intelligent Intercom Station Kit



INTERCOM

Our V-Com stations provide facility-wide intercom using Dante™ or AES67 based audio networks.

## FEATURES:

- ▶ 16 Configurable Ring Zone Button Inputs
- ▶ 16 Indicator Outputs
- ▶ Dante & AES67 Network Audio
- ▶ Seamless Q-Sys Integration
- ▶ Audio, Control, and Power over Ethernet
- ▶ SFP Ethernet Support
- ▶ Magnetic Hangup Sensor
- ▶ User-Adjustable Receiver Volume
- ▶ Configurable LED Brightness
- ▶ Mounts on a Standard DIN Rail

## APPLICATIONS:

- ▶ Theme Park attractions
- ▶ Museums
- ▶ Arenas
- ▶ Transportation Systems

V-Com is the industry's first fully configurable intercom system that utilizes industry-standard network audio protocols like Dante and AES67. All configuration and monitoring of your system can be managed in a Q-Sys core using intuitive plugins allow you to configure the V-Com network, assign ring zones, and setup button and light behaviors for each station.

The V-Com VC16K station kit was created specifically for custom console applications. It's designed to mount on a standard DIN rail inside the console and provides terminals for remotely wiring panel-mounted buttons, indicators, and the included intercom accessories.

A single Ethernet cable carries audio, power, and control between the V-Com station and the equipment room. SFP fiber optic network modules are also supported by V-Com stations for those hard-to-reach places. A system may incorporate up to 256 V-Com stations by simply connecting them to PoE enabled network switches and routing their Dante or AES67 audio signals to the Q-Sys core.

The V-Com VC16K kit includes several panel-mount accessories to build your custom console. This includes a piezo ringer, volume control knob, handset XLR connector, handset hook, and push-to-talk handset. It also includes our IOBB expansion board for easy access to all 16 inputs/indicators.

For applications that require an off-the-shelf station, take a look at our V-Com VC12X. This is a complete 12-button station designed to fit in a standard 8" x 10" Hoffman enclosure.

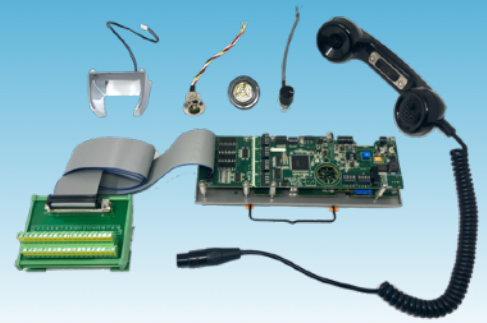
The composite image illustrates the V-Com system's software, hardware, and wiring. On the left is the 'V-Page Intercom Matrix' software interface, showing 'Party Line Selection' and 'Ring Zone Configuration' options. In the center is the 'VC12X Matrix Kit - Station 1' physical control panel, featuring a display, buttons for 'Ring Style', 'Ring Mode', and 'Ring Time', and a 'Station Configuration' table. On the right is a wiring diagram for the 'V-Page Intercom Matrix', showing connections for 16 AES67 Receiver and Transmitter pairs (AES67-Rx-Station-1 to AES67-Rx-Station-16 and AES67-Tx-Station-1 to AES67-Tx-Station-16) connected to the matrix.

**Alcorn  
McBride  
Inc.**

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16-Zone Intelligent Intercom Station



## INTERCOM

### PRODUCT SPECIFICATIONS

#### Control

<b>Controls</b>	16 Contact-Closure Button Inputs Receiver Volume Knob
<b>Indicators</b>	16 Lamp Driver Outputs
<b>Config Switches</b>	Link Firmware Update/Factory Defaults
<b>Network Connectors</b>	RJ45 SFP
<b>Protocols</b>	UDP, TCP, HTTP, Dante, AES67

#### Audio

<b>Handset Connector</b>	Phoenix Screw Terminal 1844249 Panel-Mount Female 4-Pin XLR Harness (Included)
<b>THD+N</b>	<0.07%
<b>Signal-to-Noise Ratio</b>	>85dB
<b>Input Impedance</b>	>30Mohm
<b>Frequency Response</b>	20Hz-20kHz +/-1%
<b>Network Audio Interface</b>	1x1 Dante 1x1 AES67
<b>DSP Compatibility</b>	Q-SYS Core 110f (AES67 Only) Q-SYS Core 250i (AES67 or Dante via CDN64 I/O Card) Q-SYS Core 500i (AES67 or Dante via CDN64 I/O Card) Q-SYS Core 510i (AES67 or Dante via CDN64 I/O Card) Q-SYS Core 1100 (AES67 or Dante via CDN64 I/O Card) Q-SYS Core 3100 (AES67 or Dante via CDN64 I/O Card) Q-SYS Core 5200 (AES67 Only)

#### Physical

<b>Power (PoE)</b>	PoE Class 3 RJ45
<b>Power (DC)</b>	5-37VDC @ 1A Max Phoenix Terminal Block 1844210
<b>Dimensions</b>	9"W x 2.75"H x 2"D (229mm x 70mm x 51mm)
<b>Weight</b>	1.5lbs (0.7kg)
<b>Environment</b>	0°C (32°F) to 38°C (100°F) 0-90% Relative Humidity
<b>Compliance</b>	WEEE, RoHS

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