



# ICM-8C, ICM-16C, ICM-24C, ICM-32C

## Desk Mount Console Intercom Control Master 8-32 Stations with All Page

The ICM-8, 16, 24, & 32C are complete Intercom Control Master, ruggedized for use in harsh environments such as correctional facilities while providing high quality audio communication with complete control. The ICM-\*C was designed to withstand physical attacks and deliberate abuse designed to disable the unit. These units feature a 12-gauge stainless steel faceplate, vandal resistant steel selector switches and vandal resistant LEDs. The integral speaker and microphone are mounted in such a way to prevent physical damage to the components from objects and liquids that could cause these components to stop working. The chassis is constructed of rugged, powder coated steel. Field wiring for speakers and call buttons is connected to the unit using an industry standard 50 pin connector. A metal "keeper" prevents users from unplugging the field wiring and thus disabling the unit.

The ICM employs our unique intercom amplifier with discrete dual channel operation. Separate Operator and Remote amplifiers, AGC, level, and reach controls are used to provide complete control and quality audio at 20 Watts of output into a 25Volt-industry standard speaker loads.

A Scan allows the operator to listen to each station sequentially when the intercom is not in use. As a station is scanned, the associated LED flashes and the operator automatically hears audio from the scanned station. If the operator hears something of interest, they press the button corresponding to that station and scanning is paused. When monitoring is complete, pressing the button a second time resumes scanning where it left off. Station Scanning is programmable for which stations and dwell or listen time.

The "Page" button allows the operator to make announcements to All Stations or selected "Zone" stations. Zone Paging is programmable and can include any combination of stations including All stations at one press of the "Page" button.

### BENEFITS

- Vandal Resistant Hardened Chassis
- Designed Specifically for Corrections
- High Quality Audio
- Automatic Level Control
- Solid State Switching
- Steel Push Buttons
- Ultra-Bright, Hardened LED's
- Options Designed for Corrections Industry

### Associated Equipment

- VPSS-L** Intercom Speaker Station
- PS-2437A** Power Supply (sold separately)

### Design Information

- Power** 24V DC
- Color** Stainless w/Black Powder Coat
- Mounting** Desk Console
- Dimensions** 20" W x 6" H x 11.25"D
- Weight** 15 lbs.
- Freq. Resp.** 250 Hz – 14kHz
- Output** 21W @ 31 Ohms
- Distortion** < 1% THD
- Microphone** Built in Condenser Mic
- Input / Output** RF & Static Protected / Short Protected

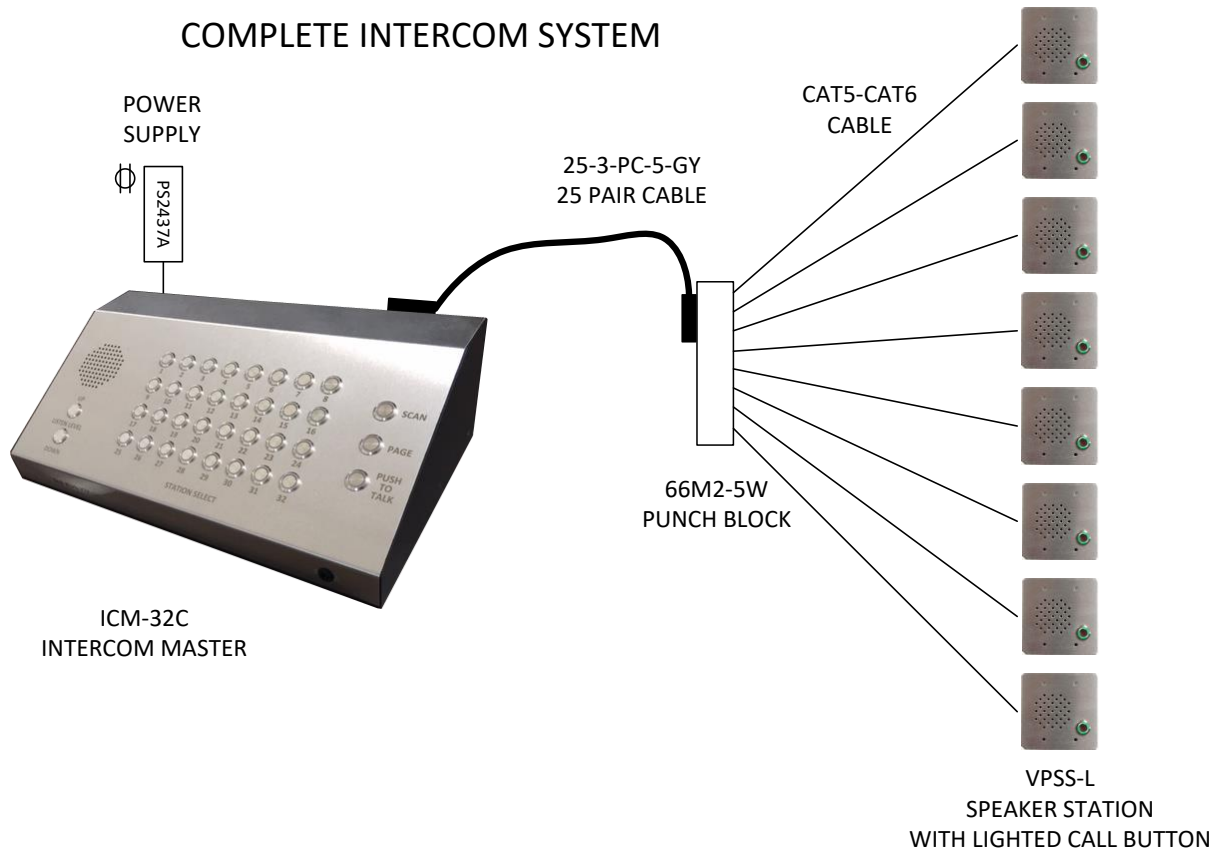


# Tech Works®

"Making Specialized Communication Easy"



## Connections



### Architects' and Engineers' Specifications

The Voice Communication System Intercom Control Master Station shall be ruggedized steel design for use in harsh environments such as correctional facilities. The intercom shall feature a 12-gauge stainless steel faceplate, vandal resistant steel selector switches and vandal resistant LEDs. The integral speaker and microphone shall be mounted in such a way to prevent physical damage to the components from objects and liquids. The chassis of the unit must be constructed of rugged, powder coated steel and fabricated so users cannot introduce liquids inside. Field wiring for speakers and call buttons is connected to the unit using an industry standard 50 pin connector. A metal "keeper" prevents users from unplugging the field wiring and thus disabling the unit. An LED light and an associated call tone shall annunciate each remote station call in. A "Page" button selects all or selected (Zone) stations for one-way paging announcements. The Intercom shall include a "Scan" listening function that is programmable for which stations to "listen" to and for how long to listen (dwell) on each station. The intercom amplifiers must be discrete dual channel type with separate Operator and Remote amplifiers, AGC, level, and reach controls. Both amplifiers shall be capable of 20 Watts of output into a 25Volt-industry standard speaker load. Any intercom unit not providing dual channels with separate discrete control, as well as programmable page and scan, will not be accepted under this specification.

The Voice Communication System Intercom Control Master Station shall be Tech Works Model ICM-\*C (\* specify 8, 16, 24, 32 Channels)

