



## **Single Call Cell Intercom Station with Background Music**

**Jacques VSL-354 Slave Intercom Stations** are used by callers in a secure environment to place intercom calls to a Master Station. Up to 16 Channels of Background music, from a variety of sources, are available to the detainee. These channels, as well as the volume level can be selected from the front panel, or remotely from the Jacques PC-650 Master Station.

The **VSL-354** Slave Intercom Station is available in a vertically mounted design and is typically installed in walls, doorways, rooms and gates. Flush mounting into a standard 3-Gang wall box ensures simple and cost effective installation.

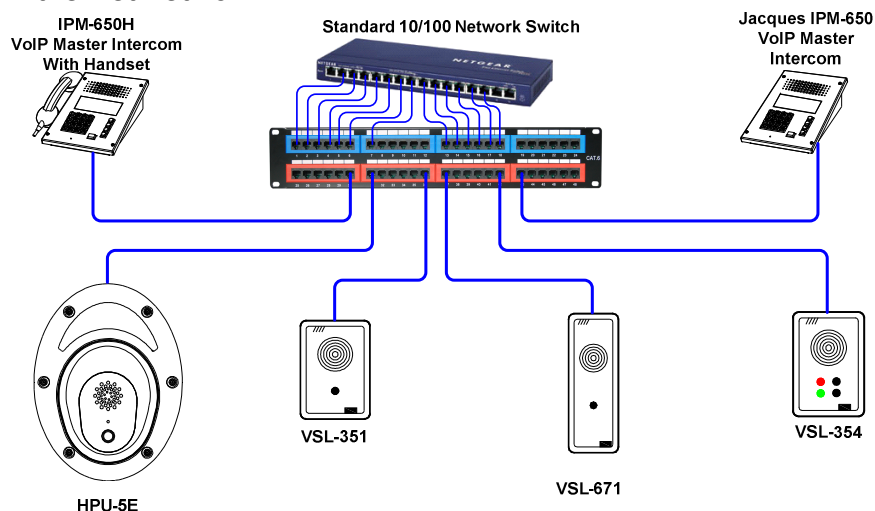
## Features:

- A single RJ-45 CAT-5 connector provides Ethernet communications and power (Power over Ethernet – PoE)
- Standard Internet Protocol (IP) is used for voice, control and communications
- Single-button call operation
- Operation is hands free once the call button is pressed
- Vandal and water resistant Speaker, Microphone and Switches
- Jacques Piezo Switches – no moving parts, but acts as a normal pushbutton
- High intensity LED for call status display protected by 10mm polycarbonate lens
- Offset microphone and internal steel speaker baffles for highest vandal resistance
- 304 type Stainless Steel front panel (Optional marine grade 316 type stainless steel)
- Designed for flush or surface mounting
- Up to 16 Channels of digital Background music (BGM) available
- BGM control is permitted at the VSL-354 Front Panel or at the Master Intercom
- Wide audio bandwidth for crystal clear voice communications
- Tamper, Accoustic Speaker/Mic Test Fail and Off-Line Alarms
- Virtually unlimited quantities available in any *Jacques 650 Series VoIP system*

## TCP/IP Connections

The **VSL-354 Slave Intercom Station** connects to a standard Local Area Network (LAN) or Wide Area Network (WAN), for VoIP audio communication with a *Jacques 650 Series Master Intercom Station*.

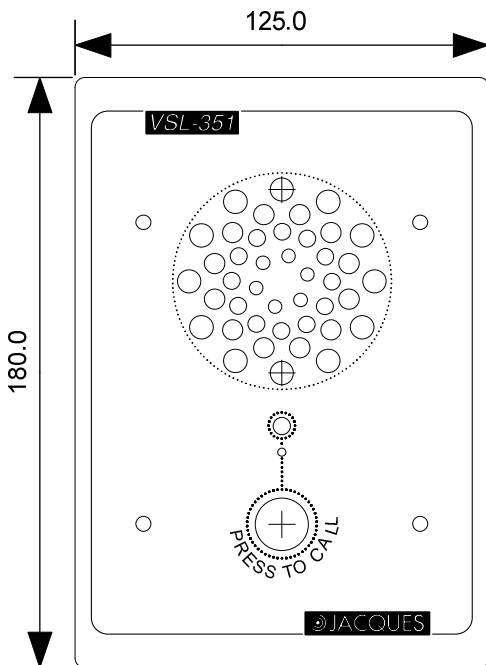
The following block diagram illustrates how a TCP/IP Intercom System can be configured on a standard Ethernet network.



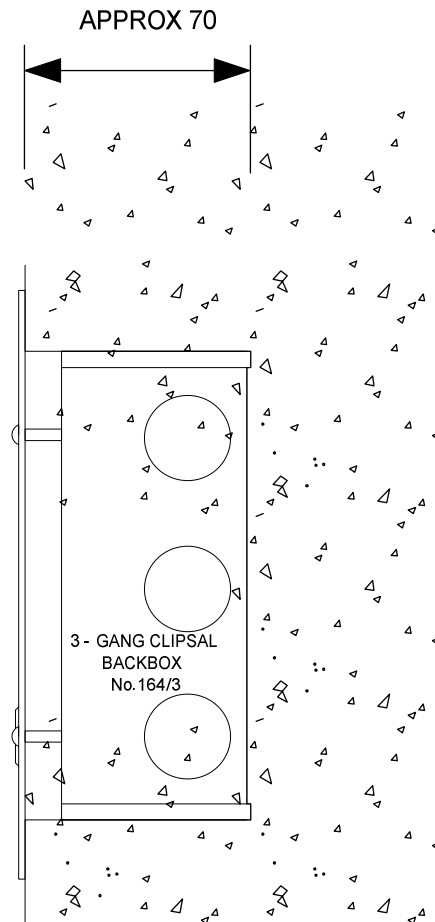
## Dimensions and Mounting Options

The **Jacques VSL-354 Slave Intercom Station** can be either flush or surface mounted to walls, bollards and similar structures to suit individual project requirements. Optional back boxes are available as either: –

- a) Clipsal 164/3 3-Gang Flush Mount back box; or
- b) Jacques SWE-6 Surface Mount back box.



VSL-354



VSL-354 INSTALATION

## Specifications

### General

Power Source	(12 – 36) V d.c.
Current consumption (idle)	75 mA @ 24 V d.c.
Current consumption (active call and speaker output at max. rms)	220 mA @ 24 V d.c.
Panel Dimensions (W x H)	(125 x 180) mm
Mounting Depth	60 mm (without Clipsal back box) 70 mm (with Clipsal back box)
Weight	0.75 kg

### Electrical

Output Power (speaker)	2 W RMS
Output Frequency Response (-3dB)	50 Hz – 7.8 kHz
Output Distortions	0.5 % (2 W rms speaker output)
Input Frequency Response (±3dB mic.)	50 Hz – 7.8 kHz

### Network Interface

Interface Media	IEEE 802.3 10BASE-T Ethernet, 10/100 Mb/s
Quality of Service (QoS)	IEEE 802.1P Ethernet/Layer 2, Diffserv (RFC 2998) IP/Layer 3
Protocols Supported	TCP/IP: UDP, DHCP, RTP, RTCP, JCCP
Audio Streaming Bandwidth	128 kb/s one way (256 kb/s both ways)

### Connectors (mating connectors listed)

Ethernet & Power	1 x RJ45 Plug fitted to CAT-5 Cable
Aux. Power	1 x 2 way 3.81 mm pluggable screw terminal block

### Cabling

	Type	Max. Length
Power Input/ Ethernet	4 pair screened CAT-5, multi-strand, 100 Ω	100 m
Aux. Power Input	0.75 mm <sup>2</sup> Figure 8, multi-strand	100 m

### Environmental

Operating Temperature	(0 – + 50) °C
Storage Temperature	(-10 – + 60) °C
Humidity	10% - 95% RH (non-condensing) AS1099 Test Cb, IEC68-2-56

### EMC

Radiated Emissions	AS/NZS CISPR 22:2002 Class A
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### Part Number

	<b>TBA</b>
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268 Montague Road, West End,  
Queensland, Brisbane, Australia 4101.  
Email: jacques@jacques.com.au

Phone: +61 7 3844 1103  
Fax: +61 7 3844 1078  
Web: <http://www.jacques.com.au>