



Stand Alone Intercom Systems

The **JACQUES VMI series** Intercom Master Stations connect directly to the **JACQUES VSL-251** Slave Intercom Stations, to create a high quality stand alone Intercom System.

VMI-155M Master Station

The **JACQUES VMI-155M** four (4) Station Master Intercom can connect up to four (4) individual **JACQUES VSL-251** Slaves Stations.

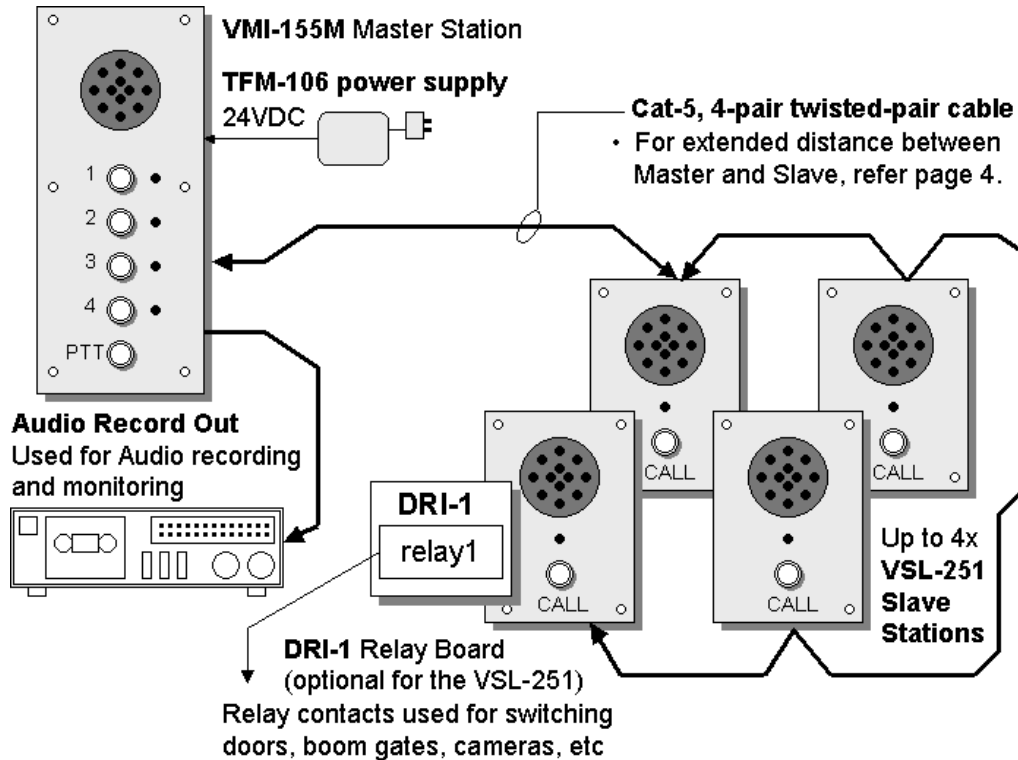
Its front panel has four (4) separate CALL buttons, one for each Slave, and a single PTT (Push-To-Talk) button.

Features:

- Master Station has six (6) 4.5mm diameter mounting holes for easy installation.
- Connection to Slave Intercoms and power supply is via a pluggable eight (8) way screw terminal block.
- Master operates in press to talk (PTT) mode whilst the Slave Intercom operates hands free, once the call is established.
- Flush Mount (FWE-1) and Surface Mount (SWE-1) Back Boxes for the Master Station are available as options.

Typical Application:

A VMI-155M four-station Master, with four VSL-251 Slaves, makes up a complete four-station Intercom System.



Installation Details

Cabling Details

The VMI-155M Master Stations are connected to **JACQUES** Slaves, via Cat-5 4-pair flexible data cable. The maximum cabling distance between the Master and Slave Stations is 250 metres.

Extended distance between Master and Slave Stations

Extended cabling distances up to 1000 metres can be accommodated. For this type of installation, the power-supply cables require a larger cross-sectional area. This one pair cable would typically be 2 mm² per conductor for Slave Stations located 1000 metres from the Master Station.

Wiring Topology

The cabling from Master to the Slave, then to the other Slaves, is "Daisy-Chain", wiring topology. This is used with all **JACQUES** RS-485 type Intercom Systems.

Other Features

Audio Record Out (VMI-155M)

The **JACQUES** VMI-155M Master Stations each have an *Audio Record Output* connection. This connection is a balanced audio output of the Intercom conversations.

The output can be connected to the audio channel of video recorders or any audio recording device.

Remote Switching Relays (VSL-251 Slave Station)

The **JACQUES** VSL-251 Slaves used with the VMI series Masters can be fitted with an *optional JACQUES DRI-1* relay switching board.

The DRI-1 board provides one (1) relay which can be remotely energised from the Master Intercom. This relay is typically used to control Door locks, Boom Gates and CCTV Security cameras.

Specifications

Frequency response.....	200Hz to 6KHz \pm 3dB
Total Harmonic Distortion.....	0.5% @ 1KHz
Signal to Noise ratio	>50dB
Rec audio output	Balanced Audio output. 0dBu into 10K ohms nominal
Audio output level (speaker).....	500mW
System response time.....	100ms max (using VMI-155M & 3x VSL-251's)
Error checking	CRC with retransmission
Data Protocol	RS-485, 9600 Baud asynchronous
Front Panel dimensions	L=290mm, W=130mm (VMI-155M)
Mounting Box dimensions	L=270mm, W=110mm, D=80mm (JACQUES FWE-1 for VMI-155M)
Power Supply required.....	24 VDC @ 2 Amp (JACQUES TFM-106)
JACQUES part numbers.....	50634 (VMI-155M , four-station Master) 50330 (VSL-251 Slave) 60013 (FWE-1 flush mounting back-boxes) 50210 (SWE-1 surface mounting back-boxes) TFM-106 external power supply 24V DC, 2Amp

© copyright 2005 Jacques Electronics Pty Ltd
0509