FEATURES & SPECIFICATIONS

Features:

- Intercom Cabling and Signal Distribution Centre
- Central Cable Destination Point
- Facilitates Intercom Signal and Power distribution
- Doorbell Camera switcher
- Door Release for two Doorbell cameras
- System capable up to 2 Doorbell Cameras and 8 Monitors
- View/Intercom/Broadcast
- Image Capture (Touch Screen Monitor only)
- System Reset Control
- Inputs for CCTV, DVR, A/V, Doors, Monitors
- Output power for CCTV x 3
- Auto View return after caller activity
- Multi view capable (view different sources on different monitors)

Installer notes

Valet 8 intercom cable contains 1 pair twisted and shielded for A/V or CCTV use and 3 pair twisted, therefore, a single Valet composite cable can be used for the entire project. The use of this cable ensures protected video signals and provides further protection against voltage drop in long cable runs by pairing key cables.

The Smart Hub requires an 18v 20 amp power supply to ensure system voltage demand is met.

The maximum cable run should not be longer than 45 meters. Please contact your local dealer on cabling advice beyond those distances.

Valet provides CCTV and RCA cables in multiple 5m, 10m, and 30m lengths.
Valet Doorbell Cameras:

Model No.: MG-560F68

Surface-mount, Zinc Housing, Sony CCD Camera, LED Night vision,
Name Plate.

Weatherproof Cover Shield Optional (Please see your Valet Dealer)

![Diagram of a doorbell camera with labels]

1. Camera Lens
2. Microphone
3. Indicator/Name Plate
4. Call button
5. Speaker
6. Night Vision LEDs
7. Mounting Screws Holes
8. Cable Terminals
9. Screw for fixing Face Plate and Main Body

Descriptions for Cable terminals:

- PW: power supply positive for Doorbell/camera
- GND: power supply ground for Doorbell/camera
- VD: image signal transmitting line
- AD: talk and control lines
- KEY1/KEY2: door release
Cable and Connections for Standard Monitor (V1) from Smart Hub

Connection Block J9
18V, GND, DATA, AU, VD

J5 / 8 /10 are not used in a Smart Hub configuration
Cable and Connections for Touch Screen Monitor (V2) from Smart Hub

- **Connection Block J9**
  
  18V, GND, DATA, AU, VD

J5 / 7 / 8 /10 are not used in most* Smart Hub configurations

*The Valet Touch Screen Monitor offers a touch screen alarm key pad. In both stand alone and Smart Hub situations, if Alarm connectivity is required, then Alarm set up is independent of any Smart Hub connectivity. The 4 wires between the Touch Screen (V2) and the Alarm System should use J9 and J10 for terminals

- **Connection Block J9**
  
  DI+, DI-, Alarm status input.

- **Connection Block J10**
  
  DO+, DO-, Arm disarm output.
a) Description of Smart Hub

- Central Cable Point
- Protected Metal Casing
- Flexible mounting Options
- Cable location channels
- Rubber Seal cable entry channels
- Cable separation via top and bottom entry
- Hinged Door Access with Screw Lock out
- Inputs for Doors/Monitors/CCTV/AV Signals
- 18v input for Distribution (18v 20amp power supply)
- DC 12V / 15v 1.5A CCTV variable output for CCTV

---

**Dimensions:**

- **Front:** 300mm x 100mm
- **Rear:**
- **Side:** 52mm
b) Terminal descriptions for Smart Hub

<table>
<thead>
<tr>
<th>CN6</th>
<th>CN9</th>
<th>CN8</th>
<th>CN7</th>
<th>CN10</th>
</tr>
</thead>
<tbody>
<tr>
<td>18V</td>
<td>GND</td>
<td>AD</td>
<td>VD</td>
<td>DATA</td>
</tr>
</tbody>
</table>

CN6-CN13 are for connecting indoor units. Note: CN6 is for Main Monitor from CN 7 to CN13 are for 7 sub Monitors.

CN2 & CN3 are for connecting doorbells

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>PWR</td>
<td>GND</td>
<td>VD</td>
<td>AD</td>
</tr>
</tbody>
</table>

CN4 is for 18V power supply

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>18V</td>
<td>GND</td>
</tr>
</tbody>
</table>

CN5 is for power output: output DC12-15V 1.5A

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V</td>
<td>GND</td>
</tr>
</tbody>
</table>

A1, V1, V2, V3, V4 are for connecting 4 video channels

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio input</td>
<td>Video1/ Video2/ Video3/ Video4 input</td>
</tr>
</tbody>
</table>

VR1: OUTPUT VOLTAGE ADJUSTABLE: RANGE IS 12-18V
SYSTEM SCHEMATICS

Hub connected intercom system with at least one touch screen monitor showing image memory with a 4th CCTV camera or A/V input.
Wiring Diagrams (Standard and Touch Screen Monitors Mixed V1 & V2)
Standard Monitor (V1): System Set Up Interface

Press & Hold Button 6 to enter set up mode

**SYSTEM SETTINGS V3.4**

- **TIME**: 19-09-06 04:47:42
- **CHIME TIME**: 90S
- **CHIME VOL**: HIGH
- **TALK VOL**: HIGH
- **CHAR ADD**: ENABLE
- **INTERCOM**: MAIN-1
- **SMART HUB**: DISABLE

- **TIME**: Date/Month/Year & Time for system
- **CHIME TIME**: Chime Duration Time
- **CHIME VOL**: Chime Volume (High/Low/Mute)
- **TALK VOL**: Talk Volume (High/Low)
- **CHAR ADD**: Enable/Disable "Door 1 or 2" on screen
- **INTERCOM**: Main-1
- **SMART HUB**: DISABLE: No Smart Hub

**Standard Monitor (V1) Setting without Smart Hub:**

**VOLUME SETTINGS**

- **CHIME VOL**: HIGH
- **TALK VOL**: LOW

**SYSTEM SETTINGS V3.4**

- **TIME**: 19-09-06 04:47:42
- **CHIME TIME**: 90S
- **CHIME VOL**: HIGH
- **TALK VOL**: HIGH
- **CHAR ADD**: ENABLE
- **INTERCOM**: MAIN-1
- **SMART HUB**: DISABLE

Set "INTERCOM" as (MAIN-1)
Set "SMART HUB" to "DISABLE"
Set "INTERCOM" as (MAIN-1, SUB-2—SUB7)
Set "SMART HUB" as "ENABLE" in all monitors
New menu items appear under volume settings to ensure volume continuity to all system monitor levels.

Touch Screen Intelligent Monitor (V2): Set Up Interface:

Press & Hold Button 6 to enter set up mode

- **TIME:** Date/Month/Year & Time for system
- **CHIME TIME:** Chime Duration Time
- **CHIME VOL:** Chime Volume (High/Low/Mute)
- **TALK VOL:** Talk Volume (High/Low)
- **CHAR ADD:** Enable/Disable "Door 1 or 2" on screen
- **INTERCOM:** Main/Sub Monitor set up (MAIN-1, SUB-2—SUB7)
- **SMART HUB:** DISABLE: No Smart Hub
Touch Screen Monitor (V2) Setting without Smart Hub:

Set "INTERCOM" as (MAIN-1)
Set "SMART HUB" as "DISABLE"

Touch Screen Monitor (V2) Setting with Smart Hub:

Set "INTERCOM" as (MAIN-1, SUB-2–SUB7)
Set "SMART HUB" as "ENABLE" in all monitors
New menu items appear under volume settings to ensure volume continuity to all system monitor levels