



**Valet Smart Hub**

**Installation Guide and Systems Set Up**

**Rev 6.09**

## 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

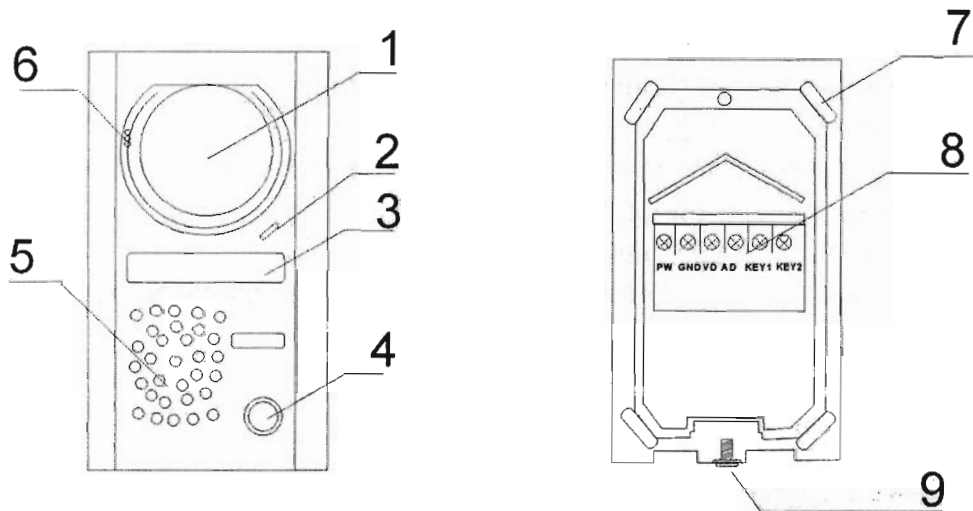
Valet provides CCTV and RCA cables in multiple 5m, 10m, and 30m lengths

## Valet Doorbell Cameras:

Model No.: MC-560F68

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

Weatherproof Cover Shield Optional (Please see your Valet Dealer)



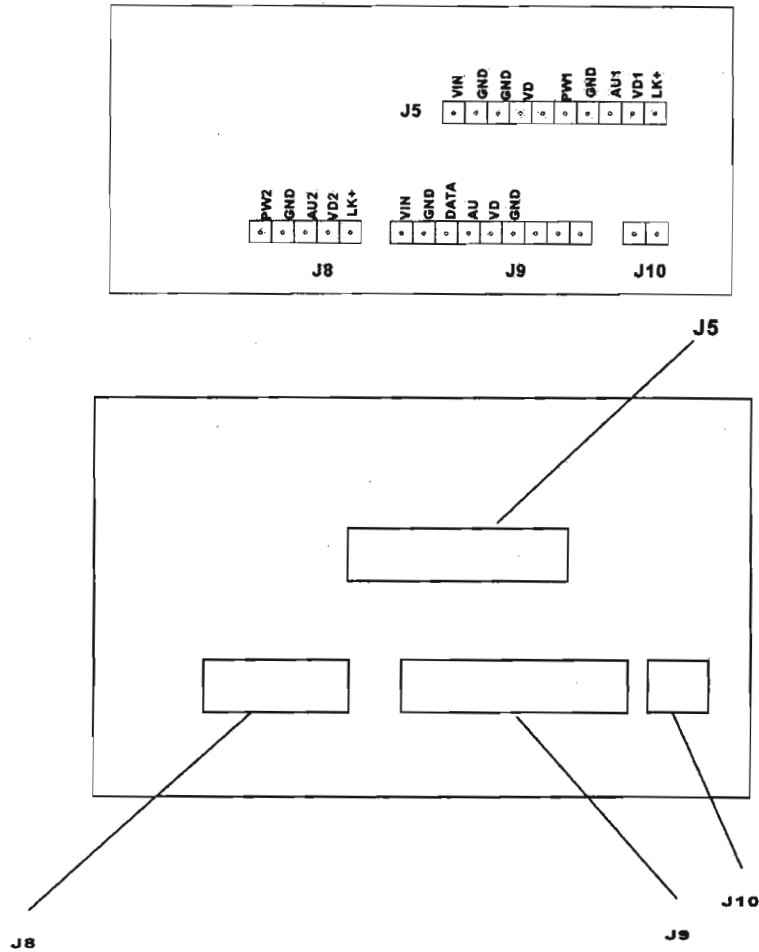
1. Camera Lens
2. Microphone
3. Indicator/Name Plate
4. Call button
5. Speaker
6. Night Vision LEDs
7. Mounting Screws Holes
8. Cable Terminals
9. Screw for fixing Face Plate and Main Body

## 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

# WIRING DIAGRAMS AND SCHEMATICS

## STANDARD SMART CENTRE MONITOR (V1)



### Cable and Connections for Standard Monitor (V1) from Smart Hub

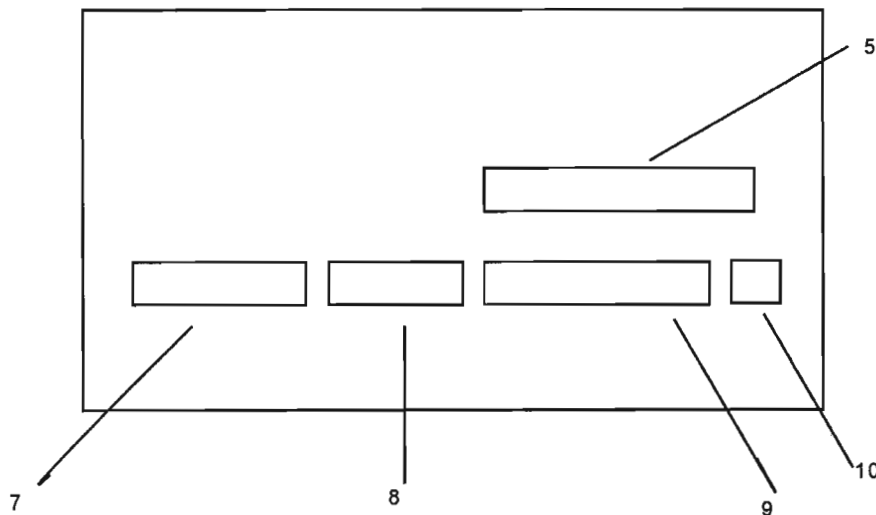
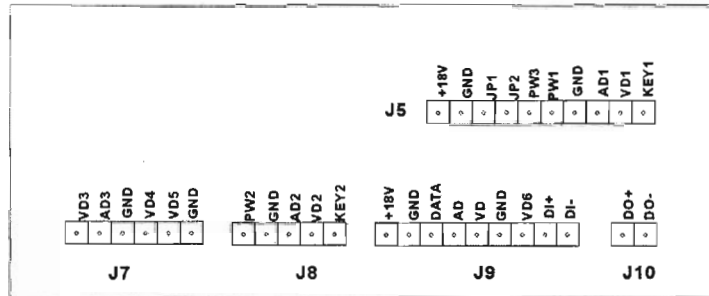
#### Connection Block J9

18V, GND, DATA, AU, VD

J5 / 8 / 10 are not used in a Smart Hub configuration

# WIRING DIAGRAMS AND SCHEMATICS

## SMART CENTRE TOUCH SCREEN INTELLIGENT MONITOR (V2)



**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.

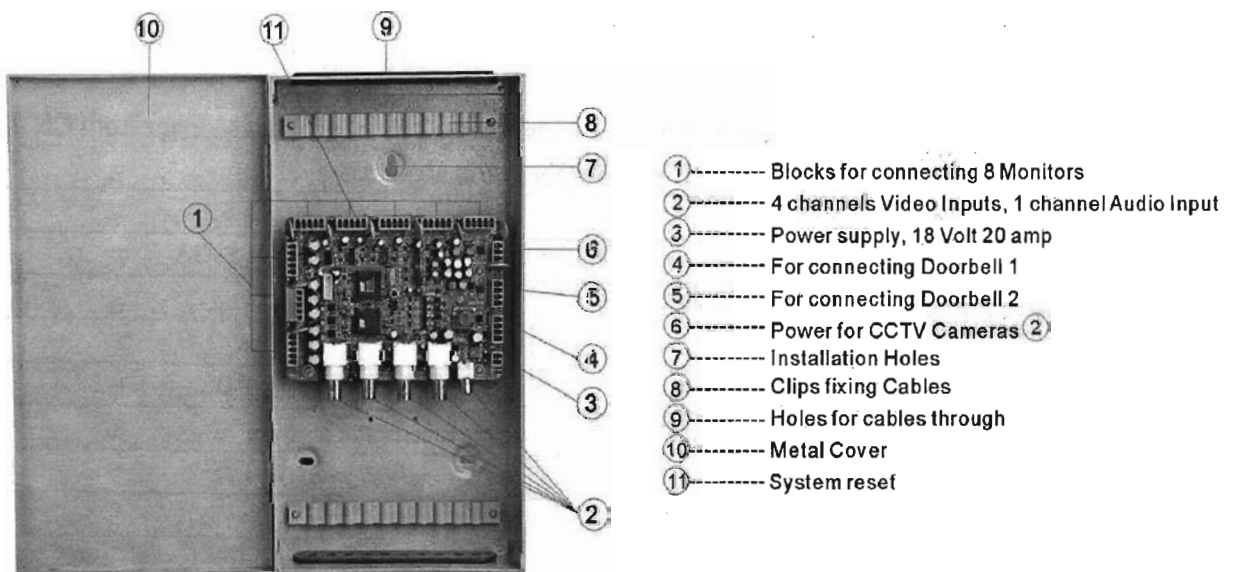
- **Connection Block J10**  
DO+, DO-: Arm disarm output.

# Valet Intercom SMART HUB

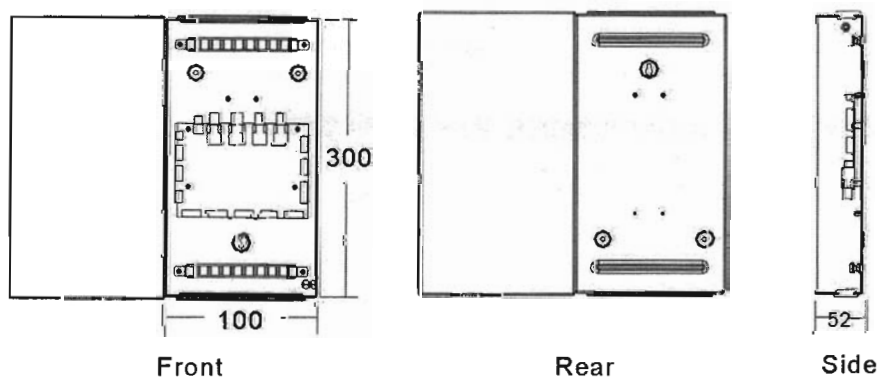
Model No.: 528FSH

## a) Description of Smart Hub

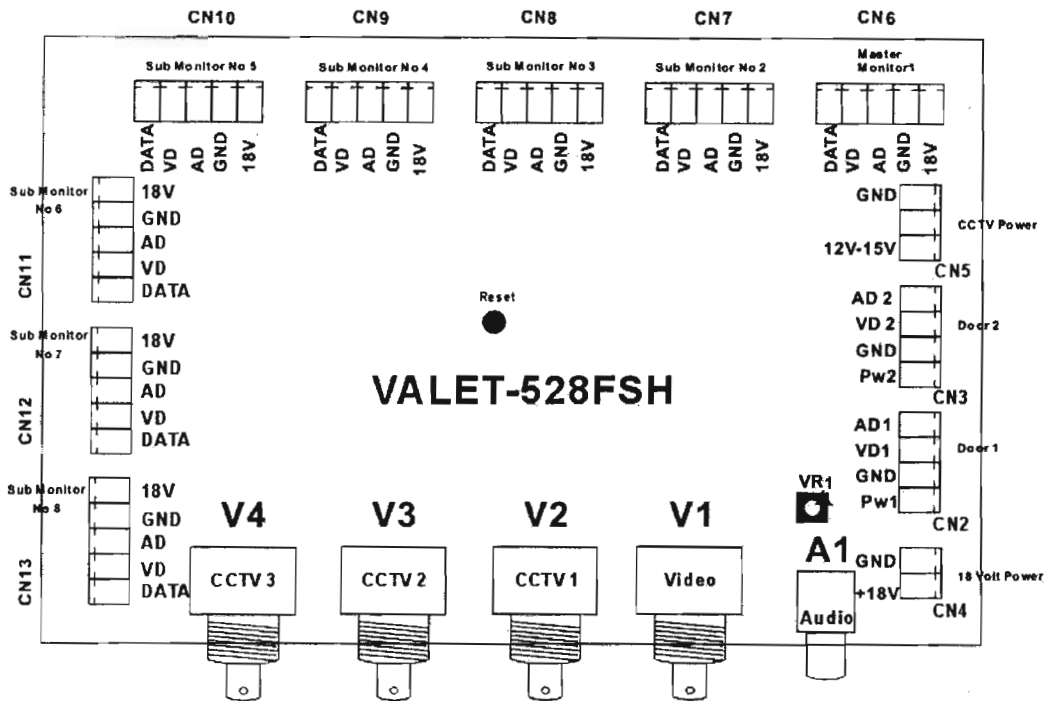
- Central Cable Point
- Protected Metal Casing
- Flexible mounting Options
- Cable location channels
- Rubber Seal cable entry channels
- Cable separation via top and bottom entry
- Hinged Door Access with Screw Lock out
- Inputs for Doors/Monitors/CCTV/AV Signals
- 18v input for Distribution (18v 20amp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



## Dimension:



**b) Terminal descriptions for Smart Hub**



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

1	2	3	4	5
18V	GND	AD	VD	DATA

CN2 & CN3 are for connecting doorbells

1	2	3	4
PWR	GND	VD	AD

CN4 is for 18V power supply

1	2
18V	GND

CN5 is for power output:outputDC12-15V 1.5A

1	3
12V	GND

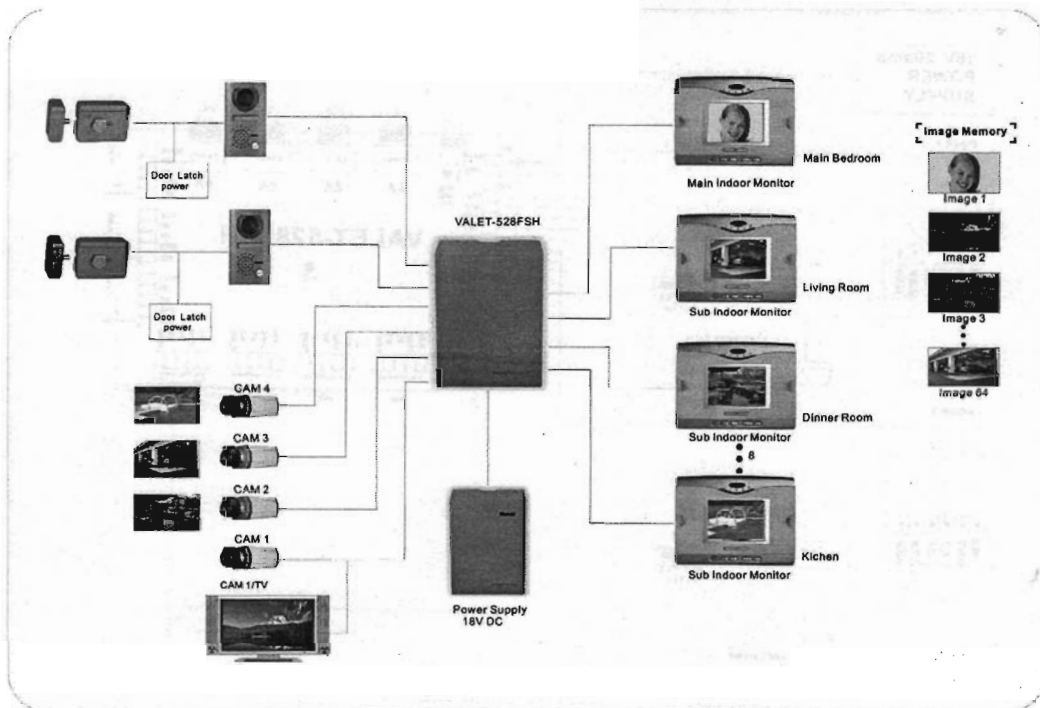
A1,V1 V2 V3 V4 are for connecting 4 video channels

1	2
Audio input	Video1/ Video2/ Video3/ Video4 input

**VR1: OUTPUT VOLTAGE ADJUSTABLE: RANGE IS 12-15V**

# SYSTEM SCHEMATICS

Hub connected intercom system with at least one touch screen monitor showing image memory with a 4<sup>th</sup> CCTV camera or AV input

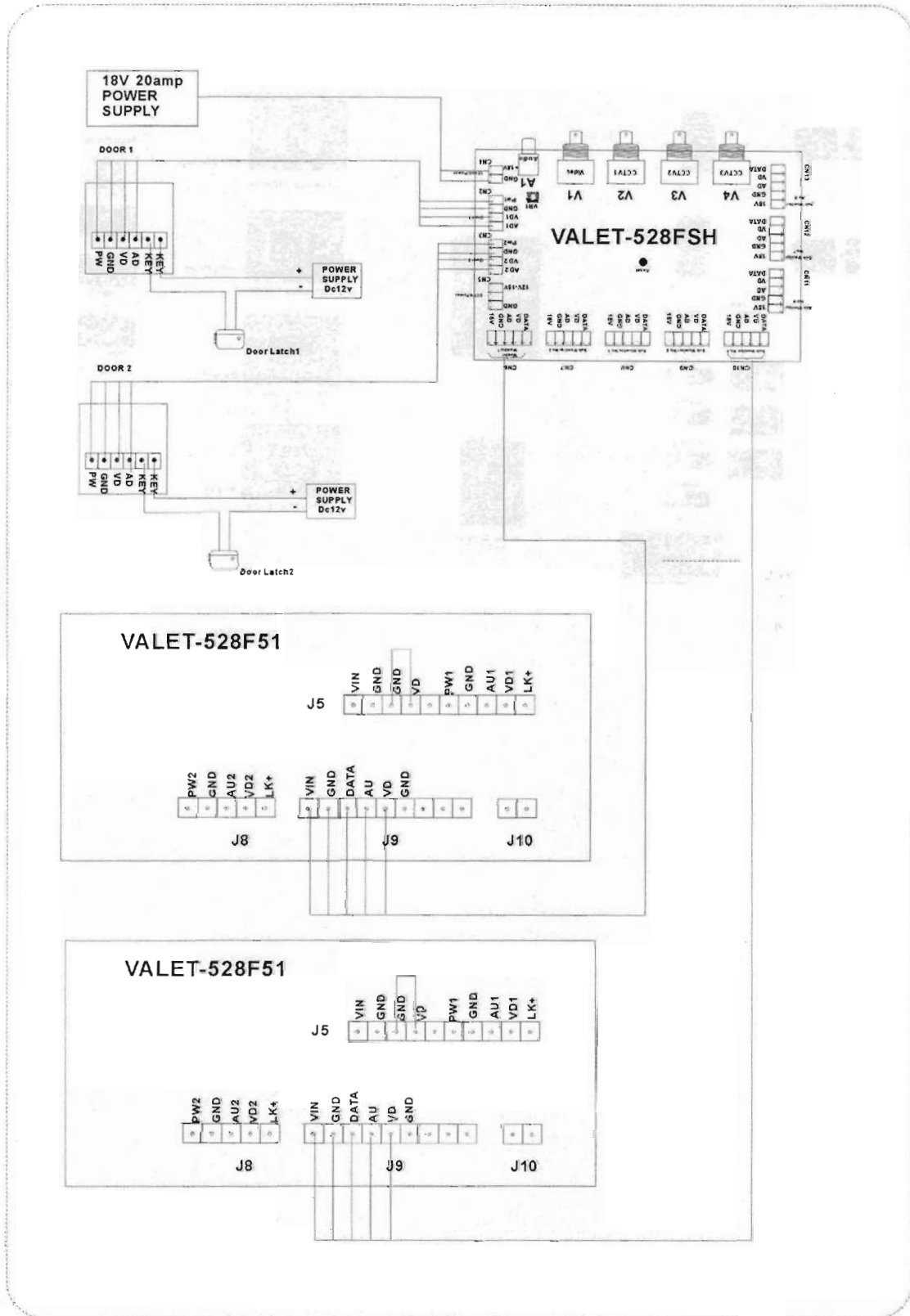




# Wiring Diagrams

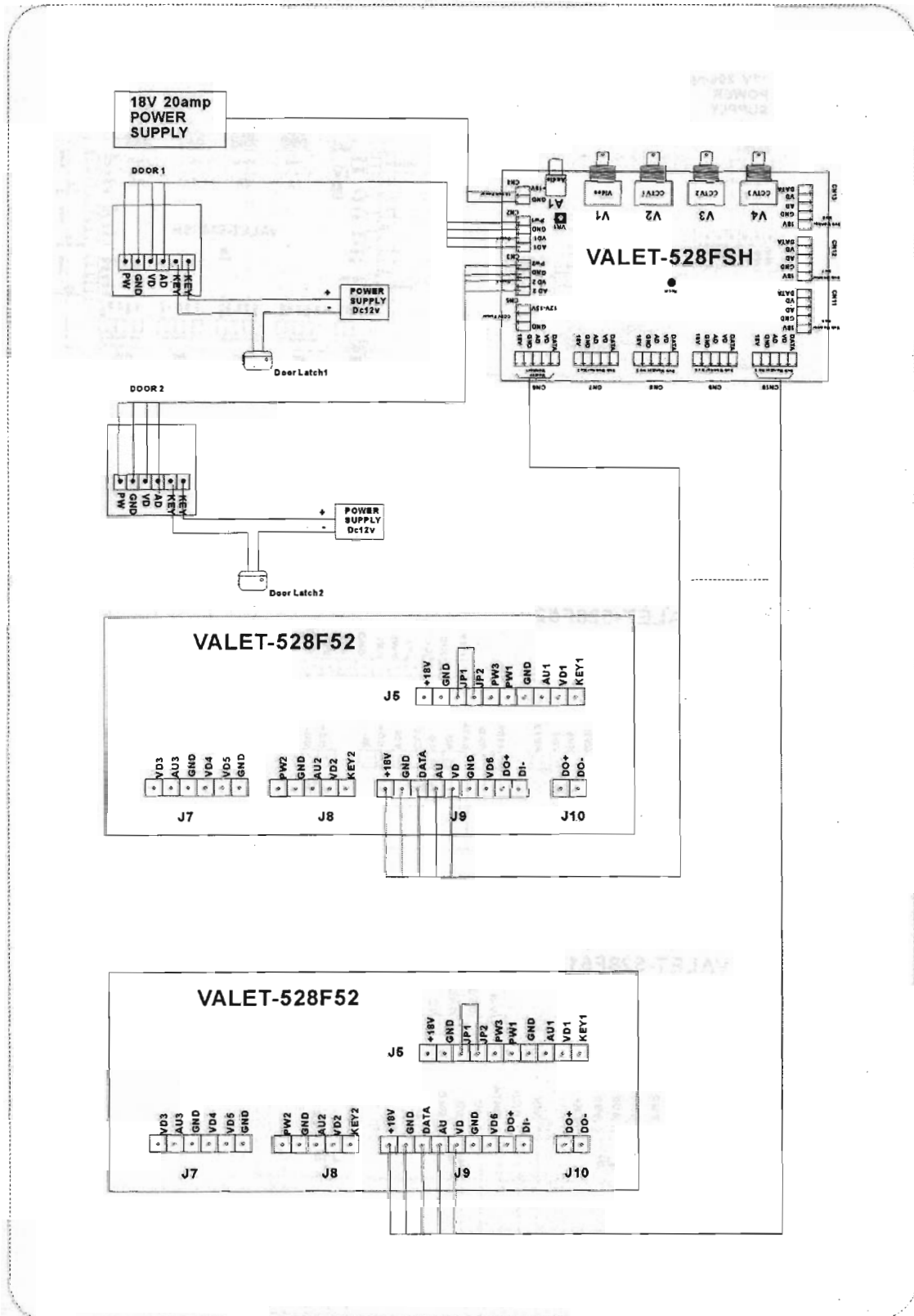
SYSTEM SCHEMATICS

## STANDARD SMART CENTRE MONITOR (V1)

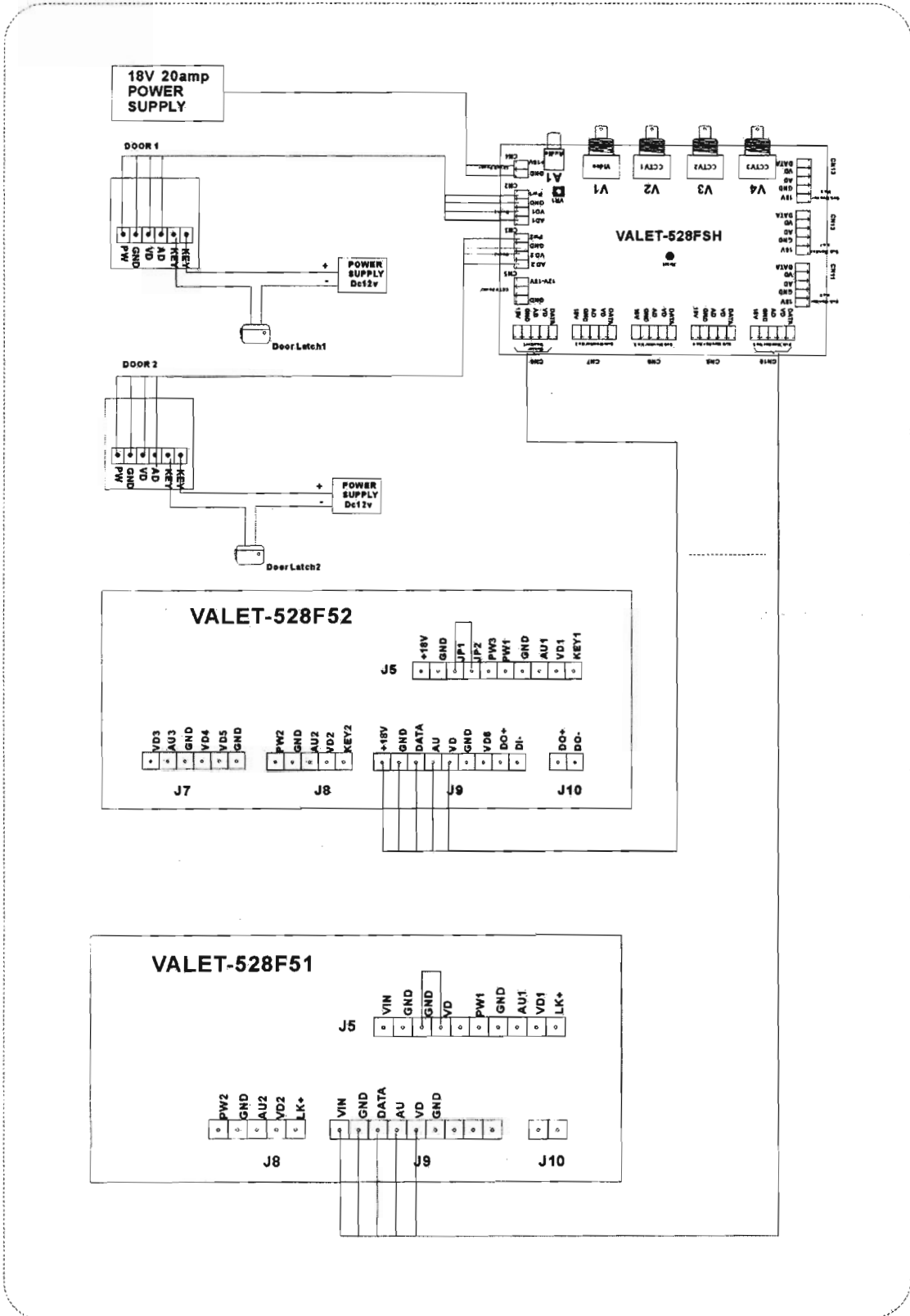


# Wiring Diagrams

## SMART CENTRE TOUCH SCREEN INTELLIGENT MONITORS (V2)

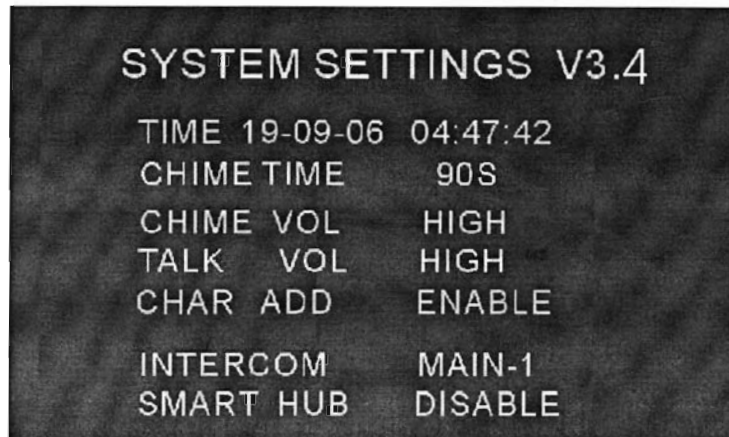


# Wiring Diagrams (Standard and Touch Screen Monitors Mixed V1 & V2)



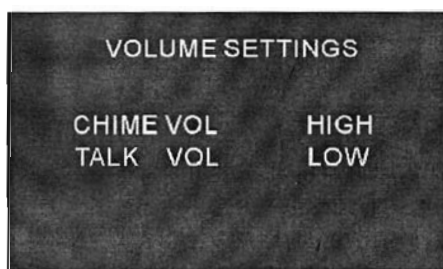
## Standard Monitor (V1): System Set Up Interface

Press & Hold Button 6 to enter set up mode



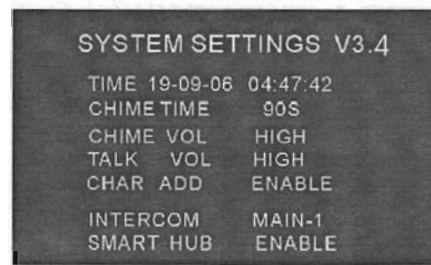
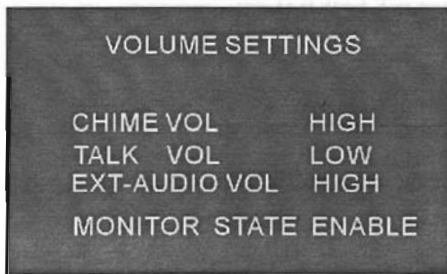
- TIME: Date/Month/Year & Time for system
- CHIME TIME: Chime Duration Time
- CHIME VOL: Chime Volume (High/Low/Mute)
- TALK VOL: Talk Volume (High/Low)
- CHAR ADD: Enable/Disable "Door 1 or 2" on screen
- INTERCOM: Main-1
- SMART HUB: DISABLE: No Smart Hub

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



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

## All Standard Monitor (V1) Settings with Smart Hub:



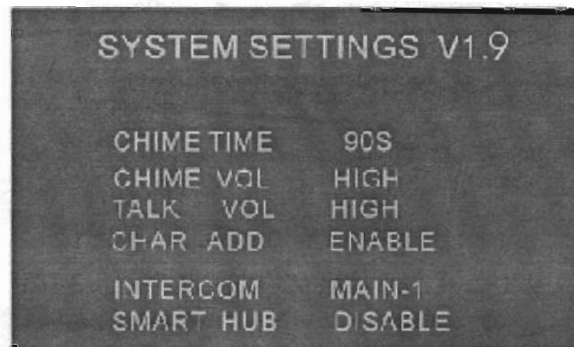
Set "INTERCOM" as (MAIN-1、SUB-2—SUB7)

Set "SMART HUB" as "ENABLE" in all monitors

New menu items appear under volume settings to ensure volume continuity to all system monitor levels.

## 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:

VOLUME SETTINGS	
CHIME VOL	HIGH
TALK VOL	LOW
EXT-AUDIO VOL	HIGH

SYSTEM SETTINGS V1.9	
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" as "DISABLE"

## Touch Screen Monitor (V2) Setting with Smart Hub:

VOLUME SETTINGS	
CHIME VOL	HIGH
TALK VOL	LOW
EXT-AUDIO VOL	HIGH
MONITOR STATE	ENABLE


SYSTEM SETTINGS V1.9	
CHIME TIME	90S
CHIME VOL	HIGH
TALK VOL	HIGH
CHAR ADD	ENABLE
INTERCOM	MAIN-1
SMART HUB	ENABLE

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



[www.valet.com.au](http://www.valet.com.au)

**SALES - SERVICE - SPARES**

 **1800 050 333**

**NESS HEAD OFFICE**

 **02 8825 9222**

**COPYRIGHT NOTICE**

All rights reserved. No part of this publication may be reproduced, transmitted or stored in a retrieval system in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Ness. Ness reserves the right to make changes to features and specifications at any time without prior notification in the interest of ongoing product development and improvement.

© 2011 Ness Corporation Pty Ltd ABN 28 069 984 372