

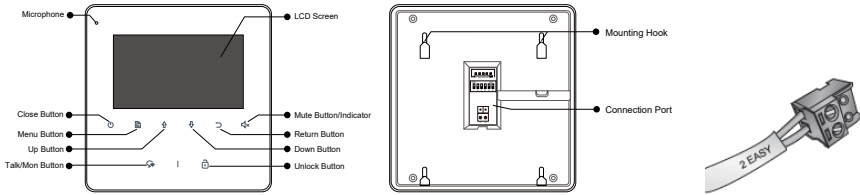
AVRO Video Door System

2-wire Series

Installation and User Manual



1. Monitor Parts and Functions



Monitor Terminals

SW+,SW-: External Call button connection port

Ring,GND: External Ringer connection port

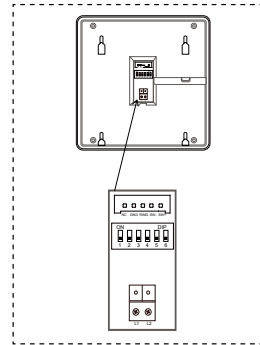
NC: Not in use

L1,L2: Bus line terminal

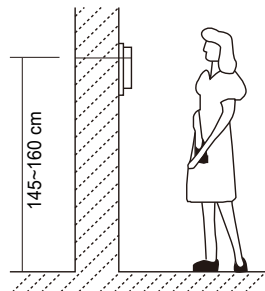
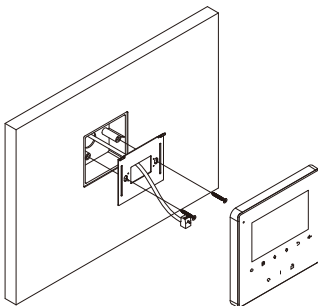
DIP switches

DIP 1~DIP 5: User Code setting

DIP 6: End of line setting. Set **On** if the monitor is at the end of line or if connected with DBC4





2. Monitor Mounting










1. Use the screws to fix mounting bracket on the wall
2. Hang the Monitor on the mounting bracket firmly

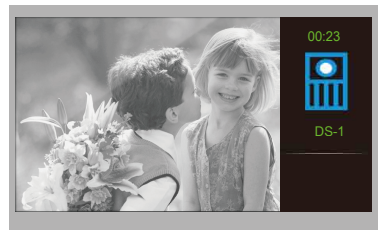
3. Main Menu

Press  **Menu** /  **Close** button, in standby, the main menu page will be shown as follows:



4. Basic Operation

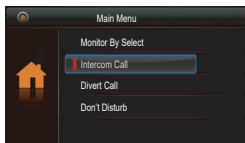
1. When door station is rung, the monitor comes On with video
2. To start conversation, touch  **Talk/Mon**
3. To end conversation, touch **Talk/Mon** button again or touch  **Close** button. Monitor will shut down automatically after 40 seconds
4. During talking, touch  **Unlock** Button to release the first lock
5. When the monitor is in standby, touch  **Talk/Mon** Button or select **Monitor By Select** button on main menu, press  **Menu** Button to confirm, and then it will enter the select a camera page, then you can use  /  Button to select the camera you want for **Manual Monitoring** function



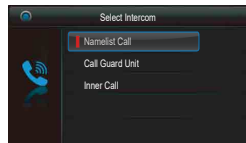
5. Intercom Between Monitors Function

When the monitor is in standby, touch  **Menu** Button to enter main menu page. Use  /  Button to move up/ down to select **Intercom Call** icon, touch  **Menu** Button to enter the select intercom page with available Intercom options

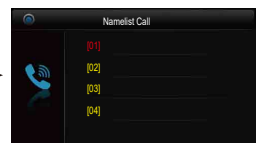
1. **Namelist Call** : use 'Intercom by Name List' to call to a specific monitor in the system. Name list of monitors have to be created after installation is complete and user codes of monitors are known. '00' or '01' - are the user codes (addresses) of the monitors



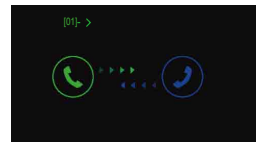
Use  /  button to select **Intercom Call**, then press  **Menu** button to confirm



Use  /  Button to select **Namelist Call**, then press  **Menu** button to confirm



Use  /  Button to select the user you want, then press  **Menu** button to call

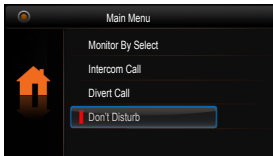



Calling in progress

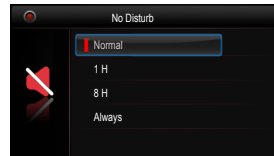
2. **Inner Call** : Use **Inner Call** to ring to all monitors in the system. When one of them answered your call, all other monitors will stop ringing. Conversation will be established only between two monitors
3. **Call Guard unit**: Used to call the concierge in Apartment systems

6. Do not Disturb Function

Do Not Disturb function will set the monitor to not react to door station calls. There are a few duration options to choose from



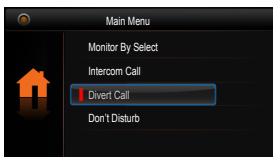
Use ↑ / ↓ button to select **Don't Disturb**, then touch  **Menu** button to confirm




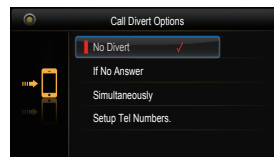
Use ↑ / ↓ Button to select, then touch  **Menu** button to confirm


7. Call Divert Function

Forwarding a call from the Door Station to a mobile phone Function only available for Apartment system with IPG Interface installed



Use ↑ / ↓ button to select **Divert Call** item, then press  **Menu** button to confirm.




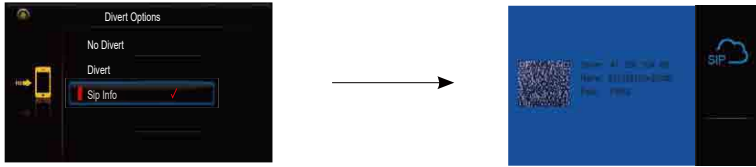
Use ↑ / ↓ Button to select the item you want, then press  **Menu** button to confirm.

There are two Divert Modes to choose from:

1. **Divert, If No Answer:** If monitor is not answered within 30s, call will be diverted to the number programmed. All other monitors will stop ringing after the diversion. Talking time is limited to 90 seconds
2. **Divert, Simultaneously:** call will be delivered immediately. All other monitors and telephone handsets of your home telephone system will ring. All monitors will come On with video from door station. Call can be answered from any monitor or home telephone handset

Setup Tel Numbers: here you can type in your divert numbers. Note: when diverting to a mobile phone it is better to disable Voicemail because system can't leave a voicemail and it won't call again

Sip Info Here you can view the Sip information and get QR code. Touch  **Menu** button to change password



8.Download 2Easy APP

1. Scan and download 2Easy APP, or search “2Easy” in Apple store for iPhone, Google Play for Android

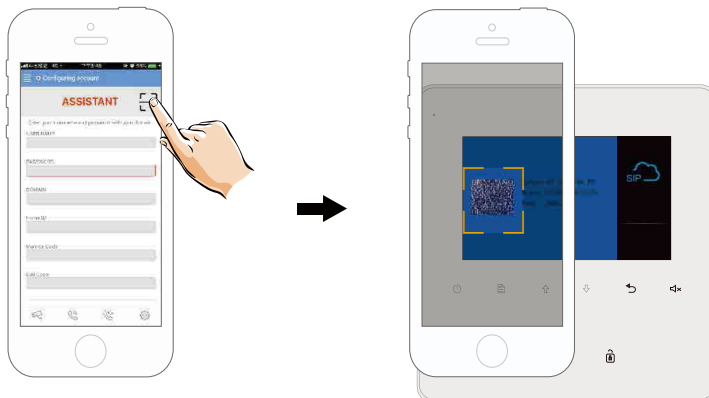
IOS



Android

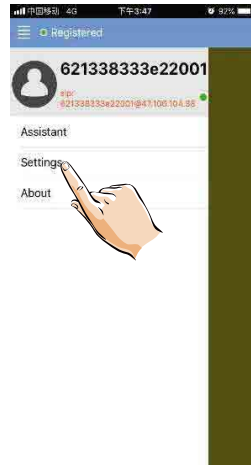
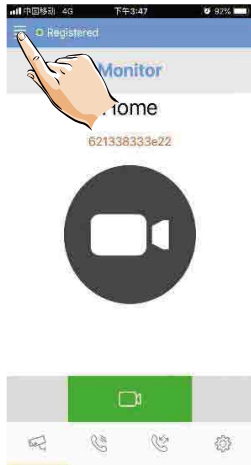


2. Permit “2Easy” with internet access and camera. Find in “monitor” “Divert” -> "SIP Info". Scan QR code from the monitor through the App and “Save”



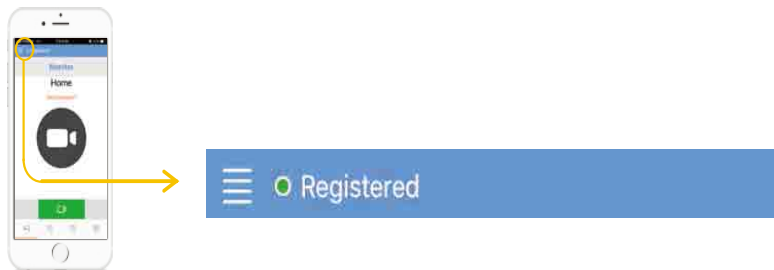
Disable “ IPV6” in 2Easy APP

Most of internet providers does not support IPV6 feature, please manually disable it with following steps:



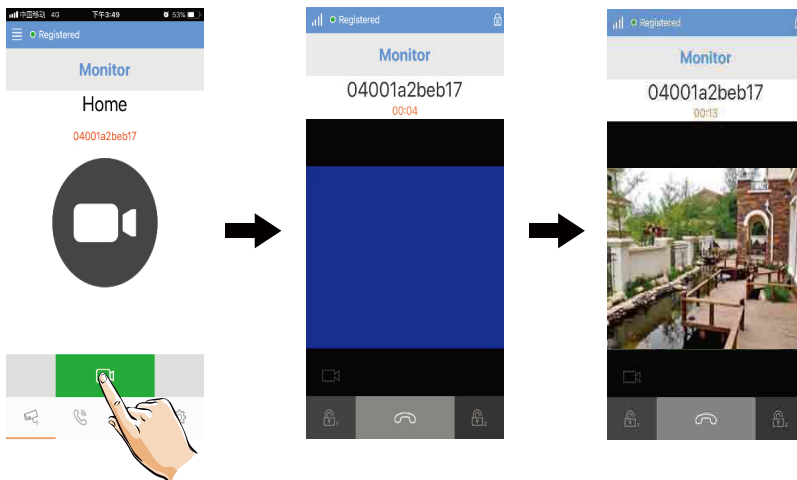
Press here
to disable

After scanning QR code check on status bar, or press “Registered” to register manually, until 2Easy APP display



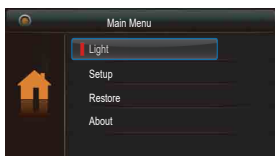
Surveillance of door station via 2Easy APP

In 2Easy APP, press on “Monitor” and wait for a few second (Due to 2-Wire communication will take around 12 second to get the video), blue screen is normally due to the monitor is verifying the password and monitor code

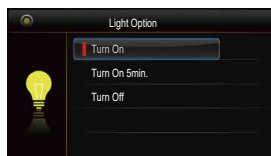


9. Operating Security Light

This function will be activated only when actual security light connected with an additional **RLC Light/Lock Control Interface**



Use **↑ / ↓** button to select **Light** item, then press **Menu** button to confirm

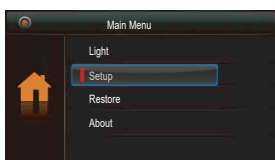


Use **↑ / ↓** Button to select the item you want, then press **Menu** button to confirm

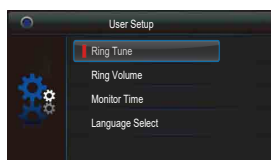
1. **Turn On:** Select to switch light On manually. The light will be turned off automatically
2. **Turn On 5 min:** Select to set duration of light for 5 minutes. The light will switch Off automatically after 5 minutes
3. **Turn Off:** Select to switch Off light manually

10. Setup Instructions

Here you can set Ringtone, Ring Volume, Monitoring Time and Language



Use **↑ / ↓** button to select **Setup** then touch **Menu** to confirm





Use **↑ / ↓** Button to select, then touch **Menu** to confirm

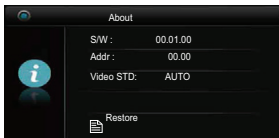
1. **Ring Tune :** Select to set Ringtone for Door Station, Intercom and Bell Button (if connected) to distinguish different calling sources
2. **Ring Volume :** Select to set the volume of monitoring
3. **Monitor Time :** Select to set manually monitoring time
4. **Language Select :** Select to set the operating language


11.Restore to a Default Settings

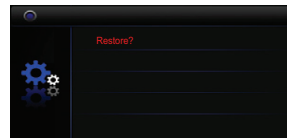
Here you can recover factory settings


12.2 Restore to Default

Press  **Menu** Button to enter the restore page, and then press  **Menu** Button to confirm.



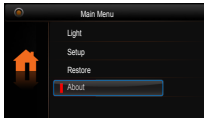
Press  button to enter the restore page.



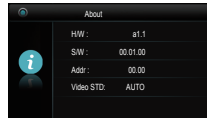
Press  **Menu** button to confirm.


12. Entering Installer Setup

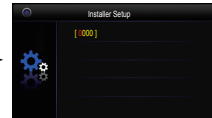
On the Main Menu page select 'About'






Use  /  button to select **About**, then touch  **Menu** button to confirm



Touch and Hold **Unlock**
 button for 3 sec



Use  /  button to increase/decrease the values wanted and press  **Menu** button to confirm

12.3 Setting codes tables

| Code | Setting Item | Code | Setting Item |
|-----------|-------------------------------|-----------|----------------------------|
| 2419 | Project Initialize | 8018-8020 | Video Display Standard |
| 2500-2549 | RM Parameter Set | 8401-8499 | Unlock Time |
| 8000-8003 | Setting master/slave monitor | 9004-9005 | United Door Ring or not |
| 8004-8005 | Guard Unit Enable | 9015-9016 | Intercom On/Off |
| 8006-8007 | Panel on/off as slaver called | 9017-9018 | Doctor Function On/Off |
| 8010-8011 | Unlock Mode:Close/Open | 9020-9021 | Hearing Aid(T-coil) On/Off |
| 8016-8017 | Bypass Enable/Disable | | |

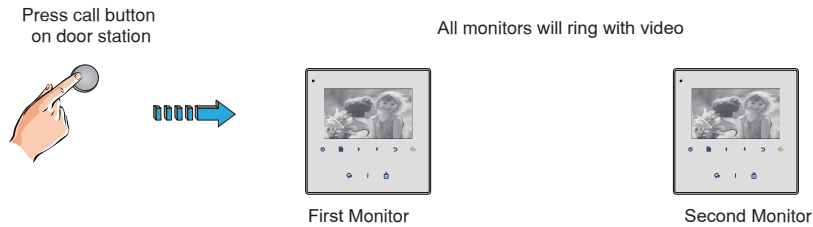
12.1 How to set the monitor as a Guard Monitor

The Guard Monitor is for a concierge in Apartments systems.

Code 8004 is used to set the monitor as a guard monitor and Code 8005 is used to cancel this function

12.2 Power Saving Mode On/Off

By default the system is set to Power Saving Mode, where only the first monitor in the system comes On with video when door station rung. All other monitors will ring but without video. Video will be transferred to the monitor which answers the call. To switch the power saving mode Off, so all monitor ring with video, use Code 8006 for each monitor



12.3 Electric Lock Release Settings

Lock icon will open Lock1. If you connect 2 locks, use  icon for opening second lock independently.

Unlocking Mode. There are two unlocking Modes available

Code 8010 for Power-on-to-open lock

Code 8011 for Power-off-to-open lock

To set unlocking time, use codes 8401-8499 for 1-99 seconds

Note: Connect the lock before setting Unlocking mode and time and power everything up. This settings can be done on the Door Station as well and some door stations has longer unlocking time available

12.4 Multiple Monitor System Configuration

There are two way of connecting multiple monitors:

- a) **Daisy Chain**- each monitor connects to a next monitor
- b) **Star Connection**- all monitors connects to a central point

Up to 16 video monitors can be connected in a House system. Up to 4 monitors in each apartment for Apartment systems. Each monitor in either system must be programmed with a 'User Code'- the address

How to program the 'User Code' for Daisy Chain connection

All monitors must have same User Code '0' and programmed as Master/Slaves. Program first monitor as Master, all others as Slave1, Slave2, Slave3. If there are more than 3 Slave monitors in the system, program them with different user codes starting with code 0,1,2,3,4 and so on as for Star connection. In addition to user code programming, last monitor in the chain have to have DIP6 set On (end of line). Applicable Intercom function for Master/Slave programming: 'Inner Call'- all monitors ring at the same time. Intercom by 'NameList' requires different programming, same as for Star connection

How to set Master/Slave Monitor Address

Code 8000 is used to set monitor as Master
Code 8001 is used to set monitor as Slave 1
Code 8002 is used to set monitor as Slave 3

How to Program User Codes for Star Connection

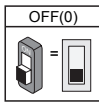
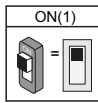
All monitors must be connected to an additional hub- DBC4 distributor. One DBC4 can connect up to 4 video monitors. Each monitor in the system should be assigned with the unique 'User Code' according the tables on the next page and have DIP6 set On in each monitor. Range of user codes available 00-31. In addition program all monitors as 'Master'. Applicable Intercom Function for such programming: 'Intercom by Name List'- to call to a specific monitor in the system

Always start with user code 00 for House system and 01 for Apartment system

12.5 User Codes Tables

- DIP switches 1-6 settings for up to 32 User Codes in the Tables below
- DIP 6 is determine the end of line. Must be set ON if the Monitor is at the end of the line

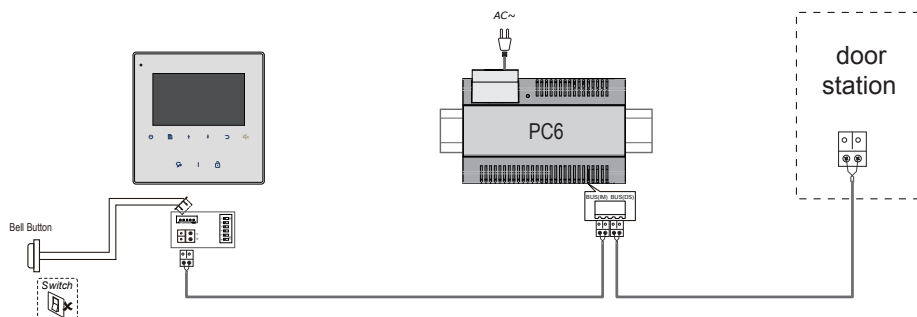
End of line settings with DIP 6



| DIP state | Setting | DIP state | Setting |
|-----------|------------------------------------|-----------|--------------------------------|
| | Monitor not at the end of the line | | Monitor at the end of the line |

| DIP state | User Code | DIP state | User Code | DIP state | User Code |
|-----------|-----------|-----------|-----------|-----------|-----------|
| | Code=1 | | Code=12 | | Code=23 |
| | Code=2 | | Code=13 | | Code=24 |
| | Code=3 | | Code=14 | | Code=25 |
| | Code=4 | | Code=15 | | Code=26 |
| | Code=5 | | Code=16 | | Code=27 |
| | Code=6 | | Code=17 | | Code=28 |
| | Code=7 | | Code=18 | | Code=29 |
| | Code=8 | | Code=19 | | Code=30 |
| | Code=9 | | Code=20 | | Code=31 |
| | Code=10 | | Code=21 | | Code=32 |
| | Code=11 | | Code=22 | | |

13. Basic Connection



14. Adjusting Colour, Brightness and Talk Volume

During monitoring or talking, press **Menu** Button, the *ADJUST MENU* will be displayed. Use **Menu** Button to select the adjustment item; use / Button to decrease / increase the value, press **Return** Button to exit the adjustment page

Changes can be made to a *Contrast, Brightness, Color, Volume*

The *Brightness* and *Color* are for image quality settings. Adjust the values to get desired result

The *Volume* is ring tone and talking volume adjustment



15. Specifications

- Power supply for indoor monitor: DC 20~28V
- Power consumption: Standby 0.17W; Working status 4.7W
- Monitor screen: 4.3 inch digital color TFT
- Display Resolutions: 480(R, G, B) x 272 pixel
- Video signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: 2 wires, no-polarity
- Monitoring time: 40 seconds
- Talking time: 90 seconds
- Dimensions: H137×W137×D17mm

WARRANTY CARD

NB Please keep this document safe, as it is proof of your Warranty
Your Video door system comes with a one year Manufacturers Warranty. When used normally, the following services are offered:

1. Replacement for malfunctioning parts in first three months
2. Repair free of charge for malfunctioning parts in first year

The following actions will void the Warranty:

1. Damage to the device during installation
2. Damage to the device through misuse
3. Opening and/or disassembling the device
4. Attempting to force the device to perform functions for which it is not intended
5. Attaching the device to power supplies other than those recommended by the manufacturer

Distributor for Warranty purposes:

Intelligent Home Online Ltd

62 Hartley Old Road

Purley

Surrey

CR8 4HJ

+44 (0)20 86170015

www.intelligenthomeonline.com

Product: AVRO no memory version

Serial Number: _____

Invoice N: _____

Purchase Date _____



AVRO 2-wire series

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