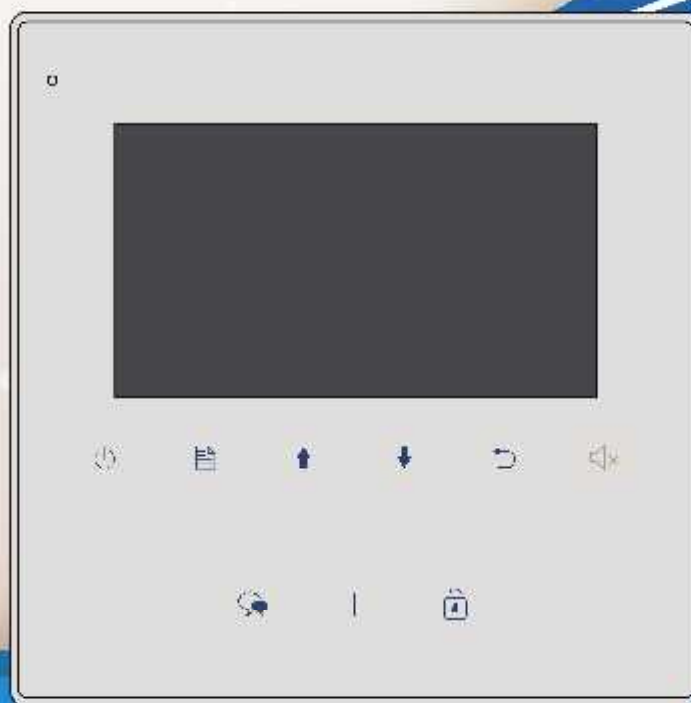




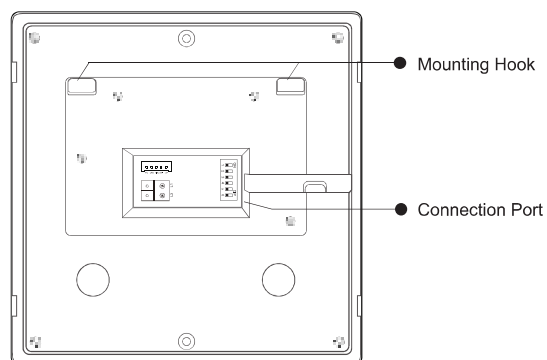
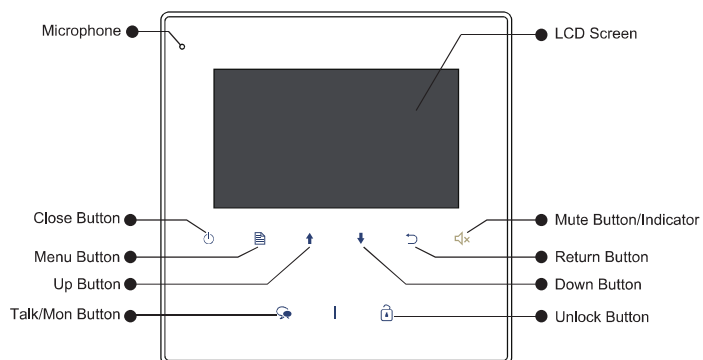
CDV43 USER MANUAL(EN)

2-Wire Video Intercom System



Read this manual carefully before using the product, keep in a safe place for future use.

1.Parts and Functions



Terminal Description

SW+,SW-: Door bell call button connection port.

Ring,GND: Extra buzzer connection port.

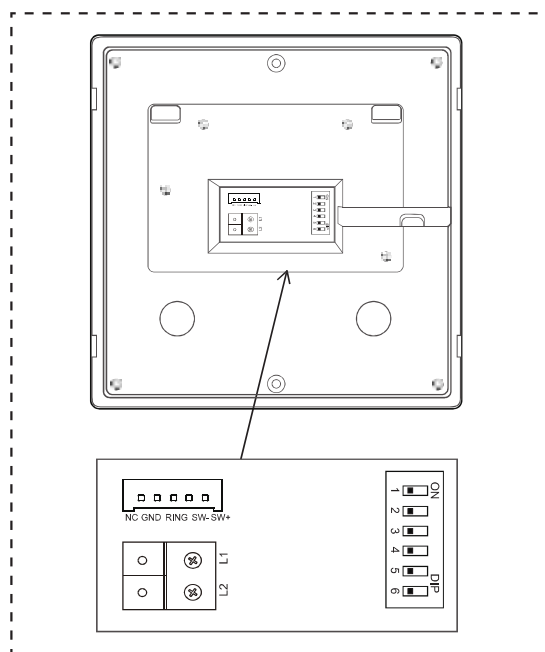
NC: Reserved.

L1 & L2: 2 wire Bus terminal.

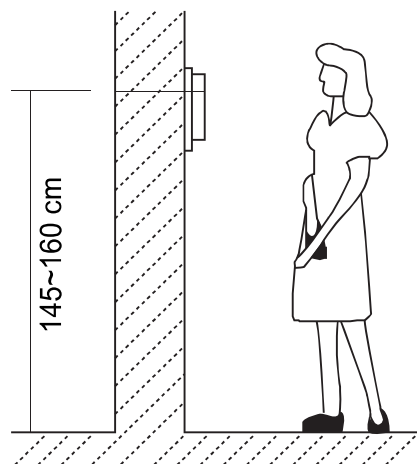
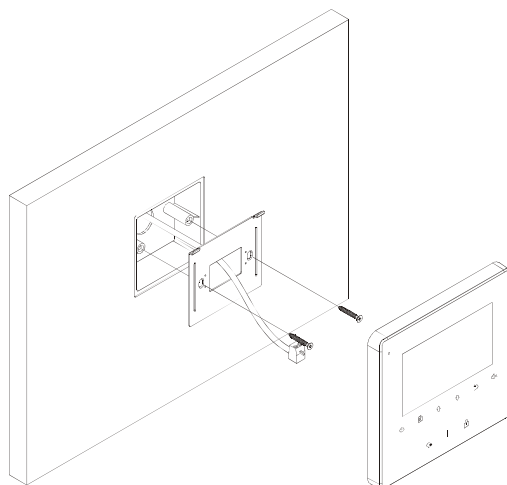
DIP switches: Total 6 bits can be configured.

Bit1~Bit5: Used to set User Code.

Bit6: Set to ON when the monitor is at the end of the line (EOL) or operates with a DBC4A otherwise, set to OFF.



2.Monitor Mounting



1. Use the screws provided to fix the Mounting Bracket (fits a standard UK single gang flush back box if required). Fitting accessories includes a Bracket (Two x M4 x 25mm screws are needed for fastening the Mounting Bracket), 1 x green connector to connect the bus line to the Monitor)
2. Wire the system correctly (please refer to the connection chapter) then fit the Monitor to the Mounting Bracket firmly.

3. Main Menu

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



4. Basic Door Release Operation

1. Press '**CALL**' button on the outdoor station, the Monitor rings and the screen will display the visitors' image.
2. Press ' **Talk/Mon**' button on monitor, you can communicate hands free with the visitor for 90 seconds. After finishing communication, press ' **Talk/Mon**' button again (or press  **Close** button) to end the communication. If nobody answers the phone, the screen will be turned off automatically after 40 seconds.
3. During talking state, Press ' **Unlock**' button to release door #1.
4. When the monitor is in standby mode, press ' **Talk/Mon**' button (or select '**Monitor by Select**' button on the main menu, press ' **Menu** button to confirm, the '**Select a Camera**' page will be displayed, the  /  button can then be used to select the camera view required.



5. Intercom Function

When the monitor is in standby mode, press 'Menu' button to enter main menu page. Use ↑ / ↓ button to move up/down to select 'Intercom Call', press 'Menu' button to enter the 'Select Intercom' page, there are 3 options available.

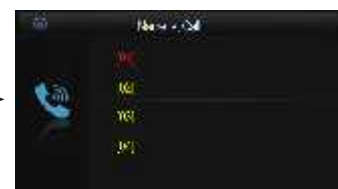
1. **Namelist Call:** A user in one apartment can call other apartments in the system. the namelist will be created automatically by the system. Use '↑/↓' button to select a name on the screen then press 'Menu' button to call. Function is disabled by default.
Note: 1. Press "MENU" button again to redial.
2. The DIP switch code of the monitors must be different.



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 item you want, then press Menu button to call.



Calling.

2. **Inner Call:** If multiple Monitors are installed in the same apartment, select Inner Call, all the other Monitors will ring at the same time, whichever Monitor answers the call, conversation is started, and the other monitors will stop ringing at the same time. **Note:** The DIP switches setting of all monitors must be same.
3. **Call Guard Unit:** A Monitor can be assigned as Guard Unit Monitor; when the Guard Unit Monitor answers the call, conversation with the guard person is started.

6. Divert Call Function (Requires CDV-GSM)

When the monitor is in standby mode, press  **Menu** Button to enter main menu page.

Use  /  button to move upward / downward to select Divert Call item, press  **Menu** Button to enter the call divert options page, you have 4 items to select.



Use  /  button to select Divert Call the press  **Menu** button to confirm.

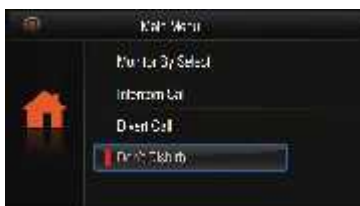


Use  /  Button to select the option required, then press  **Menu** button to confirm.

1. **No Divert**----calls from outdoor station will not be diverted.
2. **If No Answer**----Calls from outdoor station without response in 30 seconds will be transferred to the number set.
Even though the monitor will shut down when transfer via GSM is in progress, it is still available to operate functions such as monitor, talk, and unlock.
3. **Simultaneously**----Calls from the outdoor station will be diverted to your telephone immediately. In this mode the monitor won't shut off when GSM is diverted successfully, if the monitor answers the call at this point, GSM transfer will terminate.
4. **Set up Tel Number**----Select this option to edit the divert number required.

7. Do Not Disturb Function

When the monitor is in standby mode, press  **Menu** Button to enter main menu page. Use  /  button to move up / down to select 'Don't Disturb', press  **Menu** button (or press  **Mute** button/indicator directly) to enter the 'No Disturb' page, there are 4 options.



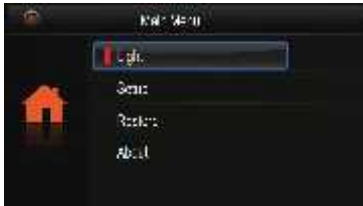
Use  /  button to select 'Don't Disturb' option, then press  **Menu** button to confirm.



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

8. Light Function (Requires CDV-RLC)

When the monitor is in standby mode, press  **Menu** Button to enter main menu page. Use  /  Button to move upward / downward to select 'Light' option, press  **Menu** Button to enter the 'Light' Option page, there are 3 options.



Use  /  button to selete **Light** item, then press  **Menu** button to confirm.



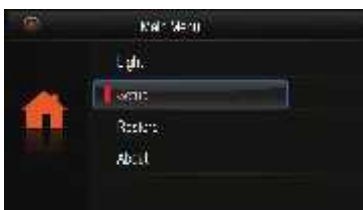
Use  /  Button to selete the item you want, then press  **Menu** button to confirm.

1. **Turn On:** Select it to open the staircase light, the light will be turned off automatically after 60 seconds.
2. **Turn On 5min:** Select it to open the staircase light, the light will be turned off automatically after 5min.
3. **Turn Off:** Select it to close the staircase light.

Note: the light function will be activated only when the system is connected to a light via CDV-RLC module, otherwise, this function is disabled. For more information, please refer to CDV-RLC user manual.

9. Setup Function

When the monitor is in standby mode, press  **Menu** button to enter main menu page. Use  /  button to move upward / downward to select **Setup** option, press  **Menu** button to enter the **User Setup** page, there are 4 options.



Use  /  button to select Setup item, then press  Menu button to confirm.



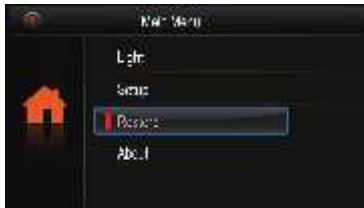
Use  /  Button to select the option you want, then press  Menu button to confirm.

1. **Ring Tone:** Select it to set the ring tune of Door Station, Intercom and Door Bell.
2. **Ring Volume:** Select it to set the volume of monitor.
3. **Monitor Time:** Select it to set monitor time.
4. **Language Select:** Select it to set the language.

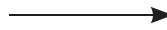
10. Restore to Default

When the monitor is in standby mode, press  **Menu** button to enter main menu page.

Use  /  button to move upward / downward to select Restore option, press  **Menu** button to enter the restore page, then press  **Menu** button to confirm.



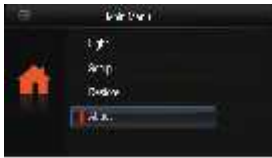
Use  /  button to select **Restore** option, then press  **Menu** button to confirm.



Press  **Menu** button to confirm.

11. Monitor Parameter Setting

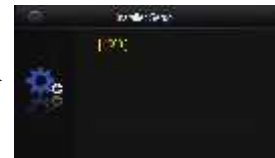
11.1 How to enter the installation setting page



Use  /  button to select **About** option, then press  **Menu** button to confirm.



Press  **Unlock** button and hold for 3secs.



Use  /  button to increase/decrease the value required, and press  **Menu** button to confirm.

11.2 The setting items are as followings

[8000]:Master 0

[8004]:Guard unit

[8006]:Video on slave when called

[8014]:Unlock menu on (Lock 2)

[8001]~[8003]: Slave 1~3

[8005]:Not guard unit

[8007]:Video off on slave when called

[8015]:Unlock menu off (Lock 2)

11.3 How to set the monitor as a Guard Monitor

A Monitor can be assigned as Guard Unit Monitor; when the Guard Unit Monitor answers the call, conversation with the guard person is started..

The code number of 8004 is used to set the monitor as a guard unit monitor and 8005 is used to cancel this function.

11.4 How to set the slave monitor address

Maximum of 4 monitors can be connected in one apartment, one master monitor together with 3 slave monitors, addresses must be the same.(note: must have one monitor to be set as master monitor)

Code 8000 is used to set the master monitor.

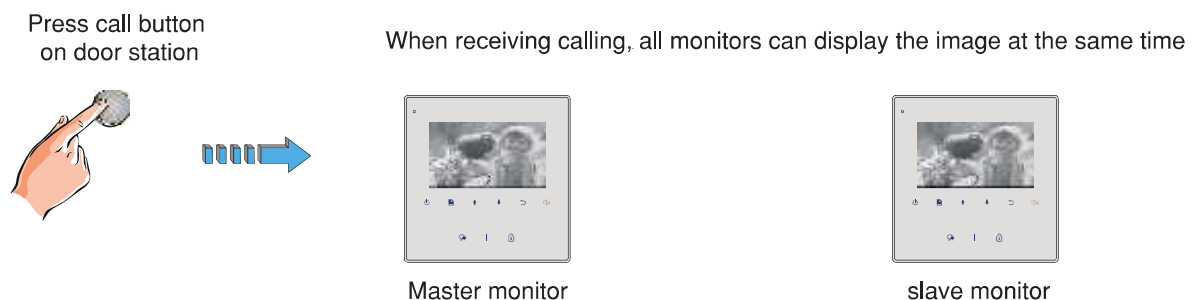
Code 8001 is used to set the first slave monitor .

Code 8002 is used to set the second slave monitor .

Code 8003 is used to set the third slave monitor .

11.5 How to set the monitor panel on

In default mode, when receive a call, the master and slave monitors will ring at the same time, only the master monitor will display the image while the slave monitors do not. The settings can be changed, the system can be set to allow the master monitor and all the slave monitors to display video at the same time when receiving a call, input the code number of 8006 on each slave monitor.



11.6 How to set the unlock parameter

Unlock mode:

There are two unlock modes: 1. Power-on- to-unlock type: unlock mode=0(by default)

2. Power-off-to-unlock type: unlock mode=1.

The code number of 8010 is used to set the unlock mode to 0

The code number of 8011 is used to set the unlock mode to 1

Unlock time:

The unlock time can be changed at any time. It can be set from 1 to 9 seconds. Code numbers from 8021 to 8029 are used to set the unlock time to 1~ 9 seconds.

11.7 How to enable/disable auto unlocking (Disabled by default).

Function Description:

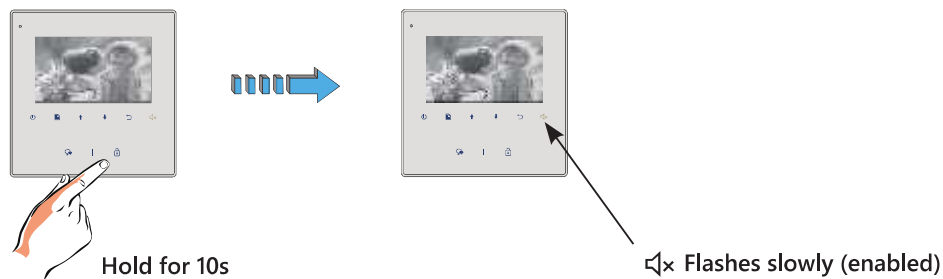
Auto unlocking allows the door to unlock after 5 seconds of a placed call from the door station without the need to answer or unlock the door, this allows the user to 'leave the door on the latch' for a known visitor.

To Enable this function; from the installation page enter the following:

9018 is used to Enable the function - 'AU FUNC ON' will show on screen.

9017 is used to Disable the function - 'AU FUNC OFF' will show on screen.

For older Monitors the above codes will not be recognised please see below for the procedure to turn and off this function.



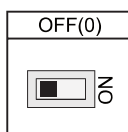
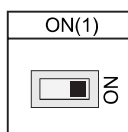
11.8 User Code Setup

Every apartment must have a unique identification called the User Code (address).

DIP switches are used to configure the User Code for each Monitor.

- Bit-1 to Bit-5 are used to set the User Code. The values are from 1 to 32, giving 32 different codes for 32 apartments.
- When multiple monitors(4 max) are installed in one apartment, these monitors have to use the same User Code setting and the Master/Slave mode should be set on the Monitor.
- Bit-6 is line termination switch (EOL), this has to be set to ON if the Monitor is at the end of the line(bus), otherwise set to OFF.

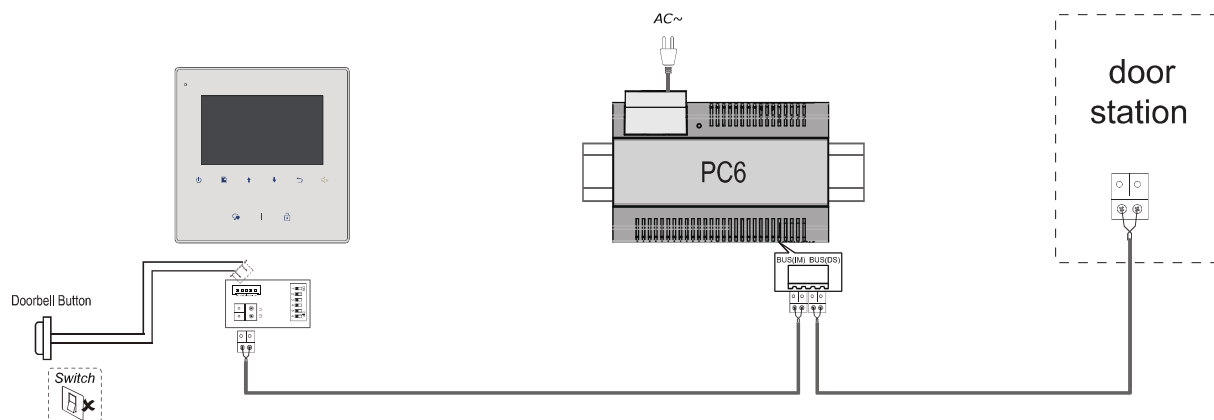
Bit-6 line terminal setting:



Bit state	Setting	Bit state	Setting
	Monitor not at the end of the line.		Monitor at the end of the line.

Bit state	User Code	Bit state	User Code	Bit 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		

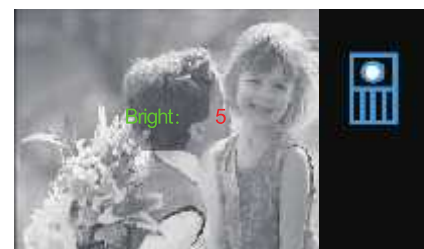
12. Basic Connection



13. Screen and Volume Adjustment

During monitoring or a call press  Menu button, the Adjustment menu will be displayed. Use the  Menu to select the option required, use / button to increase/decrease the value, press the  Return button to quit the adjust page.

1. A total of 4 screen modes can be selected in , sequence: *Contrast, Brightness Colour & Volume*.
2. *Contrast, Brightness* and *Colour* options are for the image quality, adjust the value to get the best image you like.
3. The *Volume* options are for ring tone and talking volume adjustment.



14. 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 pixels
- Video signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: 2 wires, non-polarity
- Monitor time: 40 seconds
- Talking time: 90 seconds
- Dimensions: 137(H) × 137(W) × 17(D)mm

The design and specifications can be changed without notice to the user. Right to interpret and copyright of this manual are preserved.