Intelligent Home®

Cronus Video Door System

2-wire Series

Installation and User Manual

Digital Touch Screen 7 inch Monitor

PRECAUTIONS

- Read this manual through before using the product
- Slots and openings in the back of the monitor, are provided for ventilation and to ensure reliable operation of the video monitor or equipment and to protect it from overheating. These openings must not be blocked or covered. The monitor should never be placed near or over a radiator or heat register and should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided
- All parts should be protected from violent vibration. Prevent impacts, knocking and dropping
- Clean the LCD monitor with Plastic Protection cleaner only
- Image distortion may occur if the video door phone is mounted too close to magnetic field e. g. Microwaves, TV, computer etc.
- Please keep away the video door monitor from wet, high temperature, dust, and caustic and oxidation gas in order to avoid any unpredictable damage
- Do NOT open the device in any condition, call the administrator for help if there is any problem or malfunction happens

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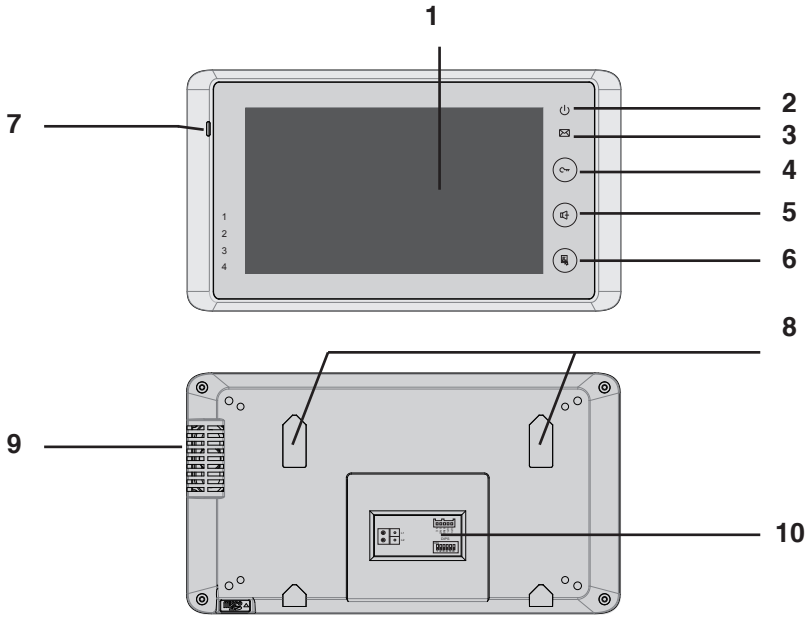
Monitor Parts and Functions



NO.	Item	Description
1	Digital LCD touch screen	• Display visitors' image
2	Power indicator	ON when monitor powered
3	Message indicator	ON when monitor has missed call
4	Unlock button	Press to Unlock door or gate
5	Talk/Mon button	• Press to communicate hands free with visitor • Press to view outside in standby mode
6	MENU button	Press to open Main menu
7	Microphone	Transmits the audio from door station
8	Mounting hook	Use to hang the monitor
9	Speaker	Visitors voice coming from speakers
10	Connection port	Bus connection terminal

Monitor Terminals

L1,L2: Bus line terminal

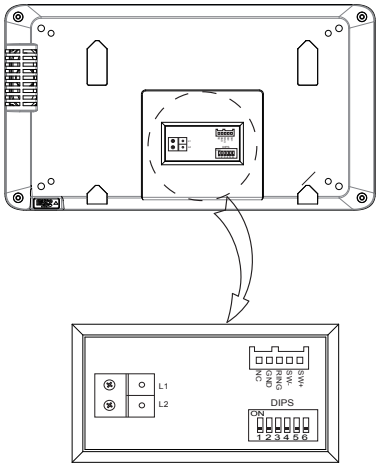
SW+,SW-: External Call button connection port

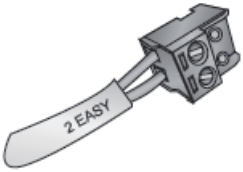
Ring,GND: External Ringer connection port

NC: Not in use

DIP switches:

- **DIP1~DIP5:** User Code setting
- **DIP6: End of line setting. Set ON if the monitor is at the end of the line or if connected with DBC4**





Additional Call Button

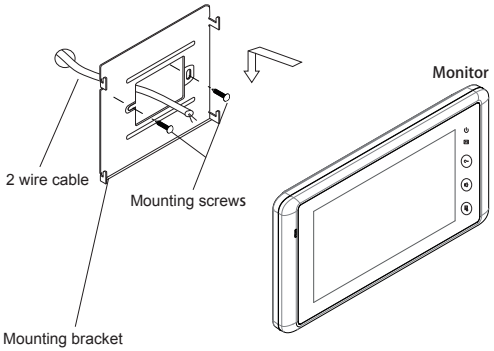
Additional call button can be connected to a monitor via terminals SW+ White and SW- Green wires

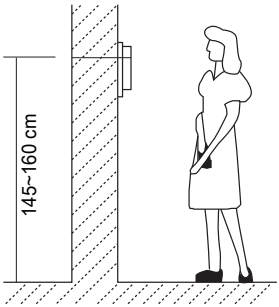
Please note: There will be no video on the monitor when somebody rings this call button

Additional External Ringer

Additional external ringer can be connected to a monitors via terminals RNG - Red wire to a Positive and GND - Black wire to a Negative. One Ringer per monitor. Locate a ringer in a position where you are unlikely to hear the ringing of the monitors; like a garage, shed, or carport

Monitor Mounting





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

Screen

Main Menu- Home Page

The Main menu is your starting point for using all the applications on your monitor

Touch screen anywhere and Main menu will appear as following:

INNER CALL

Touch to start Intercom to all rooms

MONITOR

Touch to view outdoor

LIGHT

Touch to operate the staircase light (with add. RLC Interface)

LOGO

Touch to view info about software version and User Code

DIVERT

Touch to setup call divert function (if Telephone/GSM Interfaces are connected)

NAMELIST

Touch to start Intercom to a specific room

CALL GUARD UNIT

Touch to call Guard Unit Monitor

CLOSE

Touch to switch off the screen

SETTINGS

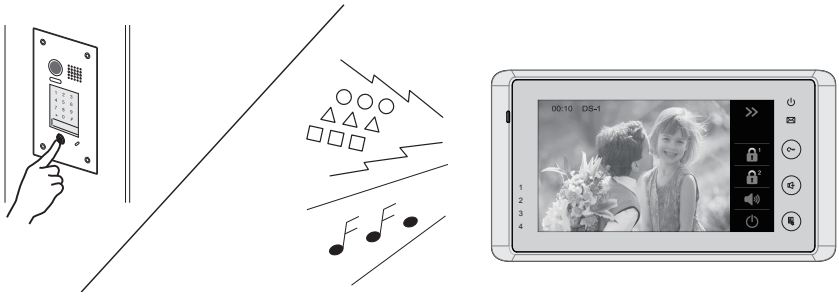
Touch to enter setup page

Icons Visible During Talking

Displays which door station is calling

Displays talking time

Answering a Door Call



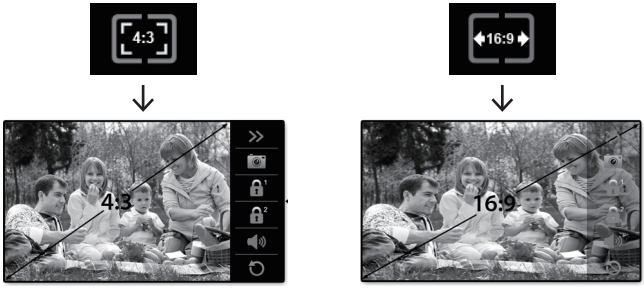
- When Door Station is rung, the monitor comes On with video
- To start conversation touch **TALK/MON** icon on the button or **Talk** icon on the screen
- To end conversation touch **TALK/MON** icon on the button once again or touch icon on the screen. Monitor will shut down automatically after 40 seconds

Adjusting Colour, Brightness and Talk Volume

Here you can adjust your monitor properties such as Contrast, Brightness and Colour.

Following adjustments can be performed in 'Manual Monitoring' mode with video from Door Station on a screen

Here you can choose **screen** ratio **4:3 or 16:9**



Here you can adjust Speaker volume. The range are 0 (Mute) ~ 9
Touch - or + to set desired levels

4 scene modes **are available to** select: **Normal, Bright, Soft and User**

Screen **Contrast. T**he range is 0~9. Touch **-** or **+** to **set desired levels**

Screen **Brightness. T**he range is 0~9. Touch **-** or **+** to **set desired levels**

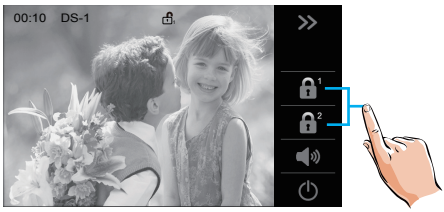
Screen **Colour. T**he range is 0~9. Touch **-** or **+** to **set desired levels**

Electric Lock Release

If system connected to a lock, you can open the lock from the Video Monitor. Video from Door Station must be on the screen toperformunlocking

Touch either [1] or [2] icon on the screen or press **UNLOCK** button on a side to open the lock

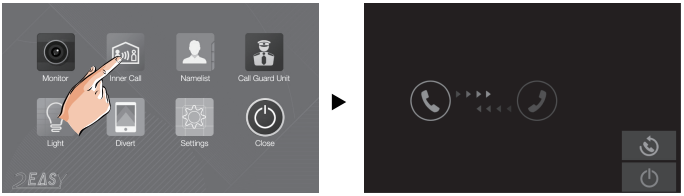
If two locks are connected to a door station, touch [2]



Intercom Function

When multiple Monitors are installed, Intercom function between all Monitors in the system becomes available. There are 3 Intercom functions to choose from:

1. **Inner Call:** all Monitors in the House system will ring at the same time. When one of the Monitors answers the call, all other Monitors will stop ringing. In Apartments system can be used if multiple Monitors has been installed in one of the apartments. All Monitors should be programmed with same User Code. In addition one Monitor should be programmed as Master and other as Slaves



* Use " [+] " or " [-] " to adjust the microphone volume
* Touch [⏻] icon to end the call

2. **Namelist:** Allows to call one specific Monitor at the time in House system or to call other apartments in Apartment system. All Monitors should be programmed with unique User Codes/Addresses with DIP switches. See 'User Codes Tables' on page 18

* Use **<** or **>** to scroll pages
* Touch [redial] to redial
* Calling ends automatically after 40 seconds if nobody answers the call

3. **Intercom with Guard Monitor:** Applicable only for Apartments system if there is a concierge which has a Monitor. Apartment can call the concierge or concierge can call any apartment in the system

How to set the Monitor as a Guard Monitor
Code 8004# is used to set the Monitor as a Guard Monitor
Code 8005# is used to cancel this function

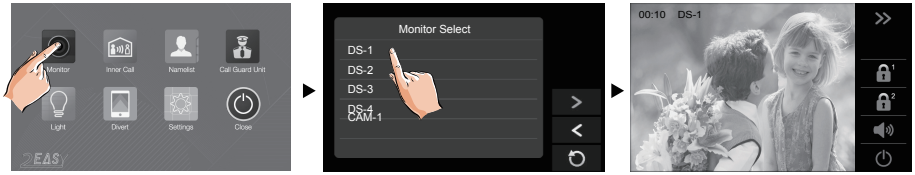
Manual Monitoring Function

Touch anywhere of the screen or press the **MENU** button on the screen in standby mode
Touch **MONITOR** to enter Monitor Select page

Note: Press **TALK/MON** button in standby mode to monitor the Master Door Station in shortcut

Monitoring Door Stations/CCTV Cameras

DS1~4 and CAM1~4 can be selected to monitor individually

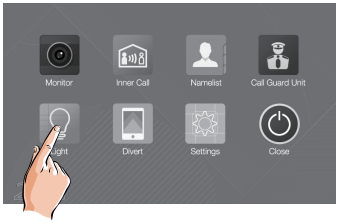


* During Manual Monitoring there is no Audio by default
* Touch [audio] icon to enable the Audio

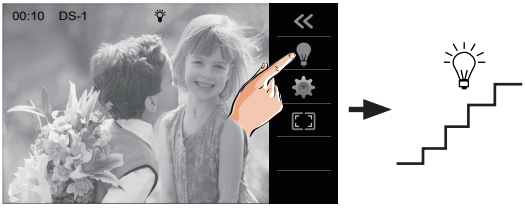
Operating Staircase Light

To use this function, the staircase light should be connected with additional Interface DT-RLC

Touch **Light** icon on **home** page or touch icon during monitoring or talking to turn the light On



or



*Touch **Light** icon again to turn off the light **or it will be turned off automatically after 60 sec**

*Touch icon again to turn off the light **or it will be turned off automatically**

Call Divert Function

Forwarding a call from the system to a mobile phone requires an additional TPS Telephone Interface or GSM Interface. Up to 3 mobile orland linenumbers can be programmed

Setting Divert Number: On the Home page, **touch 'Divert' icon**
Touch the telephone number frame and type in the number/s using digital keypad
Touch # to save the setting

There are two Divert Modesavailable to choose from

1. Divert, **Simultaneously**: call will be diverted immediately. All Monitors and home telephone handsets will ring. All Monitors will come On with video from Door Station. Call can be answered from any Monitor or home telephone handset

2. Divert, **If No Answer**: If Monitor is not answered within 30 s, call will be diverted to the number programmed. Monitor/s will stop ringing after the diversion. Talking time is limited to 90 seconds

IMPOR **TANT:** If multiple Monitors installed, they should be programmed Master/Slave/s. Program Divert mobile number/s on the Master Monitor and they will be shared with other Slave Monitors automatically

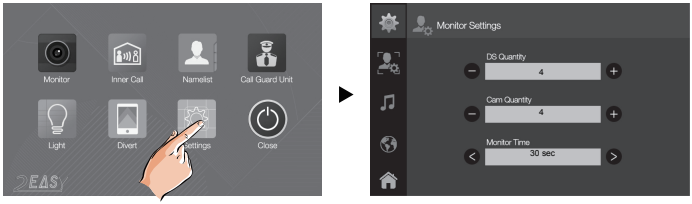
NOTE: Remove Voice mail' in your mobile phone if you wanted dialling to a next number, if first didn't answer

Monitor Settings

Here you can set quantity of Door Stations and CCTV cameras, and monitoring time

1.On Home page, touch **Settings** icon

2.Touch ⊕ / ⊖ ,or < / > icons to change the values



Note: Touch icon to exit and return to Home page. New settings are saved automatically

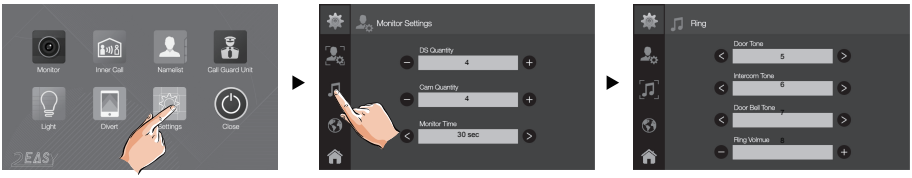
Ring Tone Settings

Here you can set ring tones for multiple Door Stations and Intercom between Monitors to distinguish different calling sources

On the Home page, touch **Settings** icon ->

Touch Door Station, Intercom, Bell Button tone individually

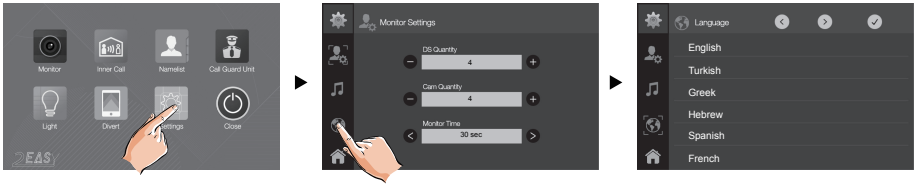
Touch ⊕ / and ⊖ / ⊕ on to change. Setting will perform immediately



Note: Touch icon to exit and return to **Home** page

Changing Language

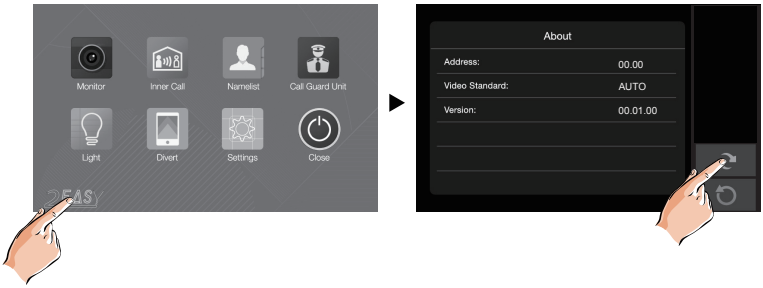
- On the Home page, touch **Settings** icon -> **Language**..
- Choose desired language and touch ✓ to save the settings



Restoring to Factory Default Settings

To recover factory settings

- On the Home page, touch **Logo** icon to enter **About** page
- Touch [↻] icon to restore to default



Entering Installer Setup

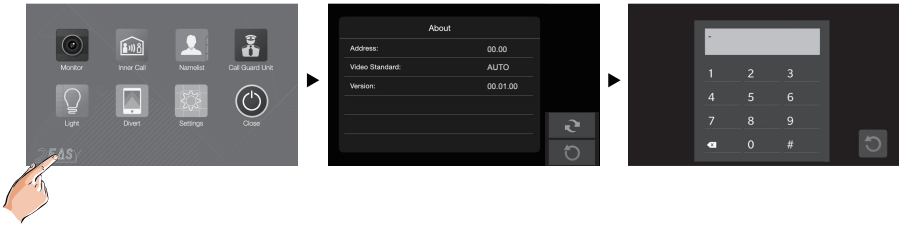
- On the Home page, touch **Logo** icon to enter **About** page
- Press and hold for 2 sec **UNLOCK** button
- Digital keypad will be shown.Type in desired code/s following by#

  For example:

  8000 # -Master; 8001 # - Slave 1;

  8006 # Power saving mode Off;

  8405 # - Unlockingtime is 5 sec



■ Setting Codes Tables

Code	Setting Item	Code	Setting Item
2412	Reset To Default Setting	8016-8017	Bypass Enable/Disable
2499	Restore Factory Settings	8401-8499	Unlock Time
8000	Master Monitor	8018-8020	Video Display Standard
8001~8003	Slave Monitor	9015-9016	Enable/Disable Intercom Call
8006-8007	Setting Slave Monitor Panel On/Off	9017-9018	Screen Ratio 4:3/16:9
8010-8011	Unlock Mode:Close/Open		

■ Power Saving Mode On/Off

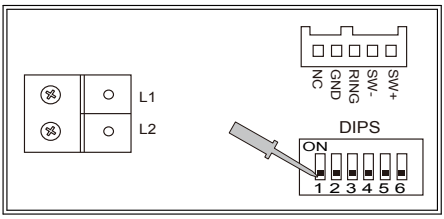
By default the system is set to Power Saving Mode, where only the first Monitor in the system comes On with video when Door Station called. All other Monitors will ring but without video. Video will be transferred to the Monitor which answers the doorbell call.

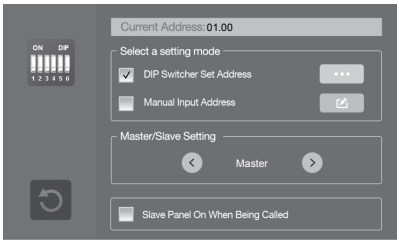
To switch the power saving mode Off: (so all Monitors ring with video) tick 'Slave Panel On' on the 'Address Setting' page or type in code 8006 # on 'Installer Setup' page

■ Entering Address Setting Page

Toggle one of the DIP switches and it will trigger **Address Setting** page to come on screen. There are two way to set the Address/User Code: via DIP switches on the rear of monitors or via Address Setting page

Select **DIP Switcher Set Address** setting, then on, touch total 32 **User Codes** will be displayed





■ Multiple Monitor System Configuration

There are two way of connecting multiple Monitors:
1. Daisy Chain - each Monitor connects to a next Monitor
2. Star Connection - all Monitors connects to a centralpoint
Up to 16 video Monitors can be connected in a House system. Up to 4 Monitors in each apartment for Apartments system. 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

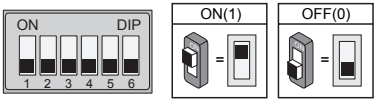
Program first Monitor as Master, all others as Slave 1, Slave 2, Slave 3

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 unction 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 Program the 'User Code' for Star Connection

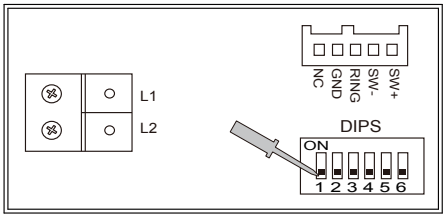
All Monitors mustbe connected to an additional hub-DBC4A distributor. One DBC4A can connect up to 4 video Monitors. Each Monitor in the system should be assigned with the unique 'User Code' according the tables on page 18 and have DIP6 set On in each Monitor in the system

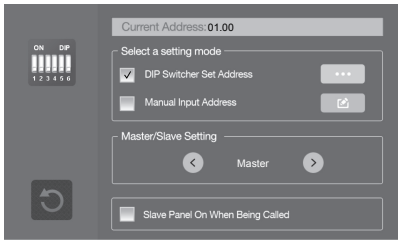


End of line **setting** with DIP-6

DIP state	Setting	DIP state	Setting
	Monitor not at the end of bus line		Monitor at the end of bus line

There are two ways to program User Codes: via DIP-switches on the rear of the Monitoror via 'Address Setting' page



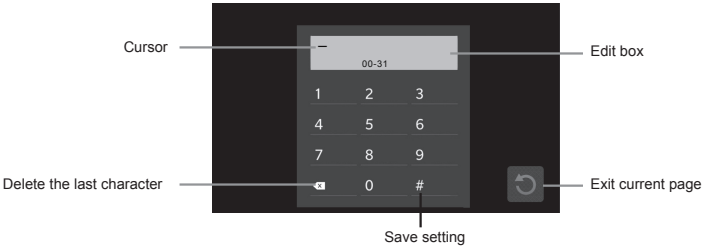


On ‘Address Setting’ page, select Manual Input Address setting mode, then touch

Type in User Code using digital **keypad**

Touch # key to save

Touch key to delete



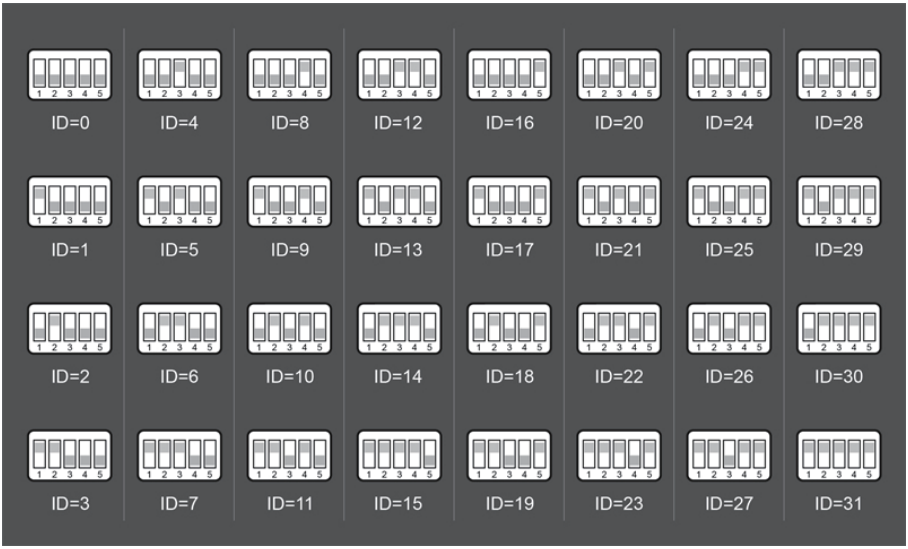
Always start with User Code 00 for House system and 01 for Apartment system.

Range of codes available 00-31. In addition program all Monitors as ‘Master’. Applicable Intercom Function for such programming: ‘Intercom by Namelist’ - to call to a specific Monitor in the system

USER CODES TABLES

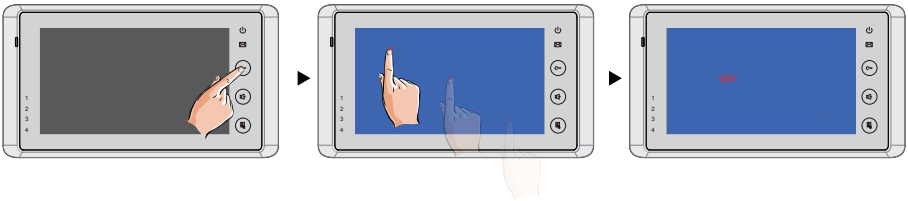
Select DIP Switcher Set Address setting, then touch icon, total 32 **User Codes** will be displayed **on the screen. Same as in picture below**

Note: In Apartment system program Apartment 32 with User Code ‘0’



Screen Calibration

- In standby mode, press **UNLOCK** button and hold for 3 seconds
- Red cross symbol will appear
- Keep touching Red cross symbol until calibration complete and OK! will appear



Specification

- Power supply for indoor monitor: DC 24V
- Power consumption: Standby15mA; Working 400mA
- Monitor screen: 7 Inch digital color LCD
- Display Resolution: 800*3(R, G, B) x 480 pixels
- Video signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: 2 wires, no-polarity
- Dimensions: H125×W225×D23mm

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 thoserecommended 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: Cronus no memory version

Serial Number: _____

Invoice N: _____

Purchase Date_____

Intelligent Home®

Cronus 2-wire series

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