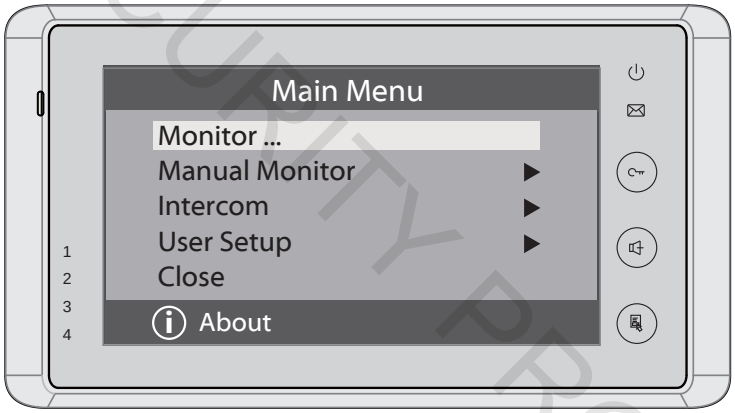
2-Wire Video Monitor 27

USER MANUAL



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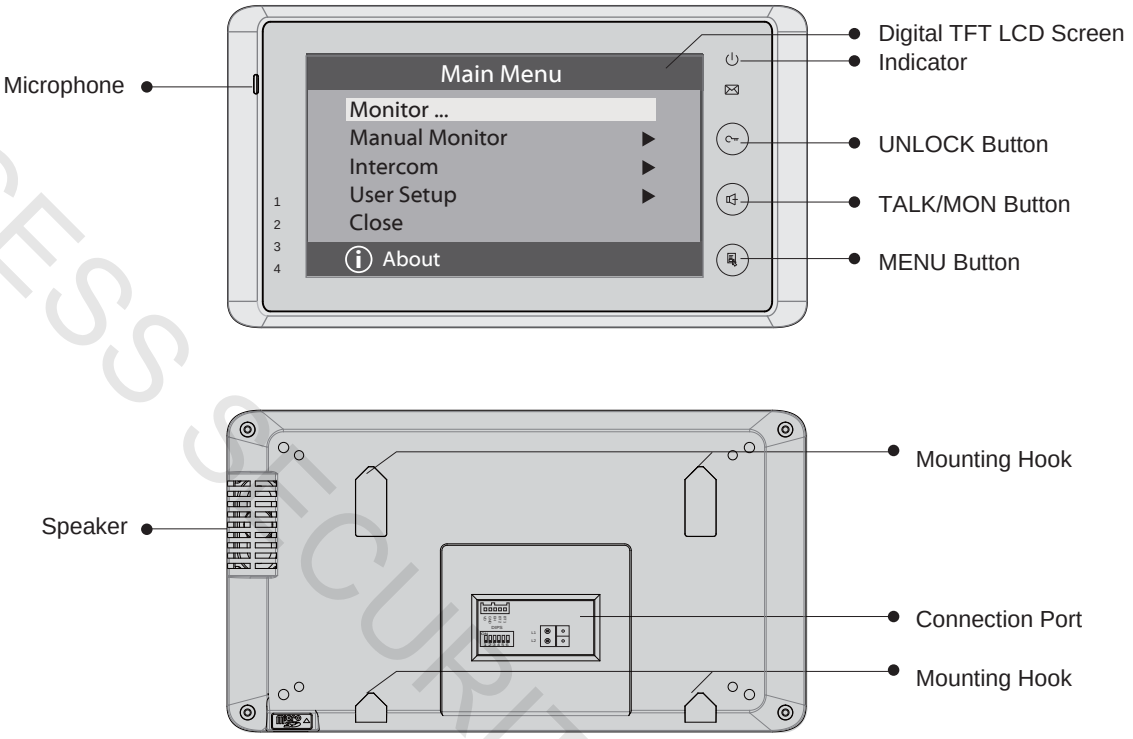
1. Parts and Functions



Key functions

LCD screen	Display the visitors' image
Indicator	Show the working status of monitor
Unlock button	Press to release the door
Talk/Mon button	Press to communicate hands free with visitor Press to view the outdoor image in standby mode
Menu button	Press twice to open the menu shortcuts
Microphone	Receive voice from the user
Mounting hook	Use to fit the monitor to the wall
Connection port	Bus terminal
Speaker	Send out voice from the visitor

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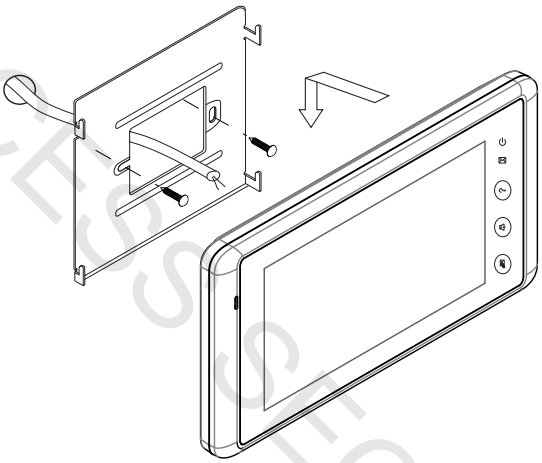
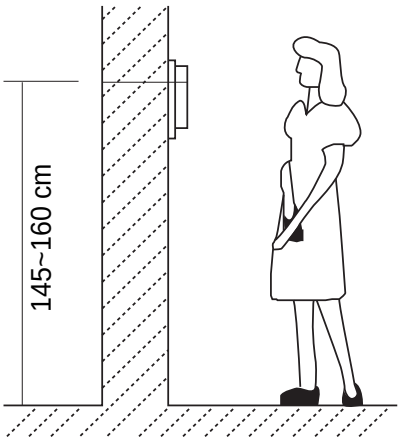
2. Monitor Mounting

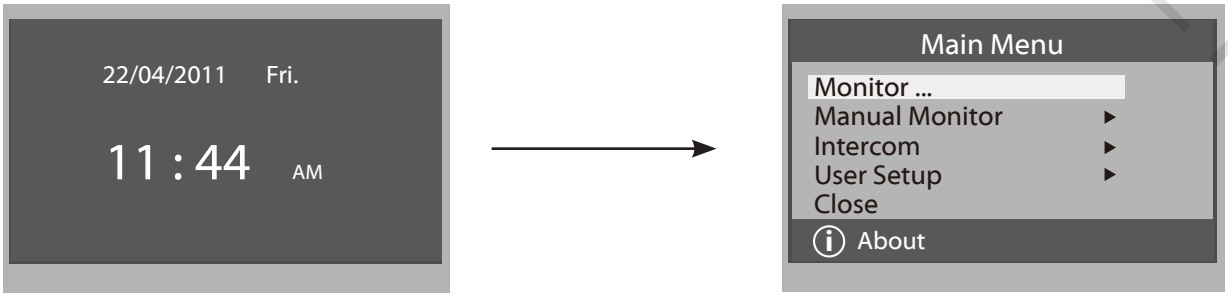




1. Use the screws to fix the Mounting Bracket on the mounting box. (fitting accesories includes a Bracket (Two pieces of 4X25 screws are needed for fastening the Mounting Bracket), Special 2 wire cables to connect with Monitor)
2. Wire the system correctly (see the later connection chapter) then hang the Monitor on the Mounting Bracket firmly.

3. Main Menu

1. Touch the screen anywhere on the monitor screen in standby mode, the date/time page will be shown. (the date/time page will close in 1 minute if no operation is made)
2. Touch the screen again, the main menu page will be shown as follows.



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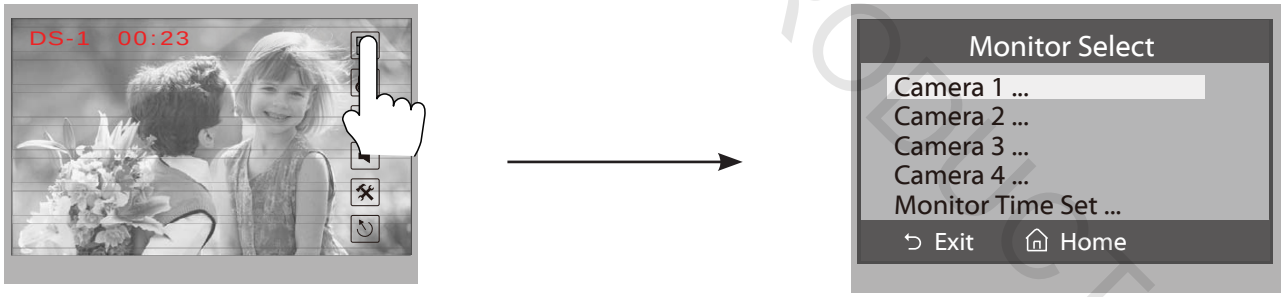
4. Basic Door Release Operation

1. Press the **CALL** button on the door panel, the Monitor rings and at the same time, the screen displays the visitors' image.
2. Press **TALK/MON** Button on the monitor or touch icon on the screen, you can communicate hands free with the visitor for 90 seconds. Press **TALK/MON** button again or touch icon to end the communication. If nobody answers the monitor, the screen will turn off automatically after 30 seconds.
3. During the talking state, Press **UNLOCK** Button or touch 1 or 2 icon to open the corresponding door for the visitor.
4. When the monitor is in standby mode, press **TALK/MON** Button (or touch **Monitor ...** item on main menu page), The screen can display the view of outside. If multi door stations are installed, touch icon to get into the camera switch mode (or directly touch **Manual Monitor** item on main menu page). You can touch camera 1/2/3/4 to monitor the door panel or CCTV camera you require. See the following diagrams. (Press **TALK/MON** button again touch icon to end monitoring.)



5. Intercom Function

Touch **Intercom** item on main menu page, there are three items: **Intercom Call...,Inner Call ...,Direct Call Guard Unit...**

NOTE: Guard Unit will not operate for single zone video entry systems

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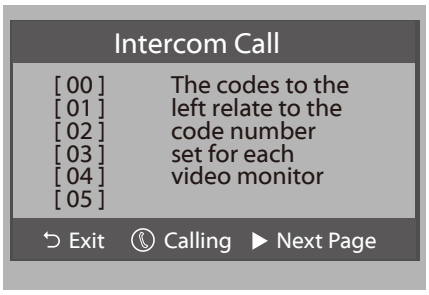
1. **Intercom Call**: User in one apartment can call other apartments in the system. the code list will be created automatically by the system. Touch a code number you require on the screen, then touch icon to dial. (Note: Touch icon again to redial. 2.The DIP switch codes of each monitor must be set using the **Physical Code Method**.)



2. **Inner Call**: If multi slave 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, the conversation is started and the other monitors will stop ringing at the same time. (Note: The DIP switch settings of all monitors must be same - **Please refer to the DIP Switch Settings on page 7 for Logical Code Method**)

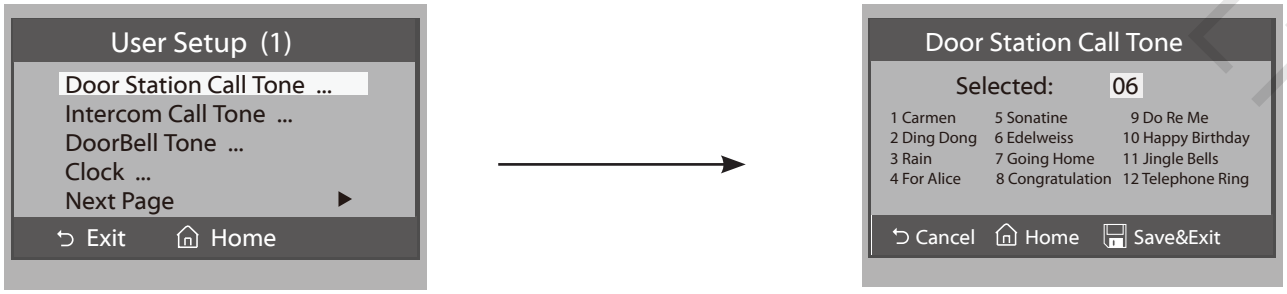
3. **Direct Dial Guard unit**: A Monitor can be assigned as Guard Unit Monitor; when the Guard Unit Monitor answers the call, conversation with the guard person is started. (**This facility is not available with single zone video entry systems**).

6. Basic Setup Instructions

Ring Tone Settings

Touch **User Setup** item on the main menu page to enter the setup page. Touch **Door Station Call Tone**, **Inercom Call Tone** or **DoorBell Tone** item, There are 12 ring tones that can be selected. Touch the ring tone required, then touch icon to save and exit. (touch icon to cancel the setting and return to the last page, touch icon to enter the main menu page)

Door Station Call Tone: Set the ring tone calling from the door panel.
Intercom Tone: Set the ring tone calling from other apartments/monitors.
DoorBell tone: Set the ring tone calling from a door bell.



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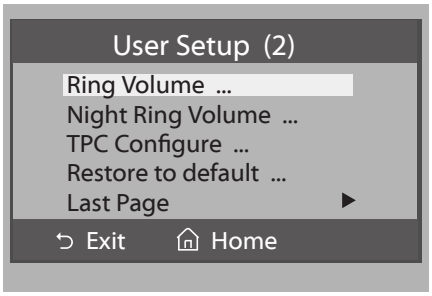
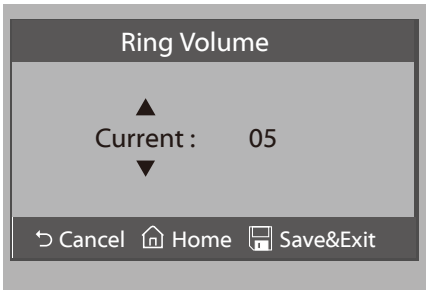
Ring Volume and Night Ring Volume Setting



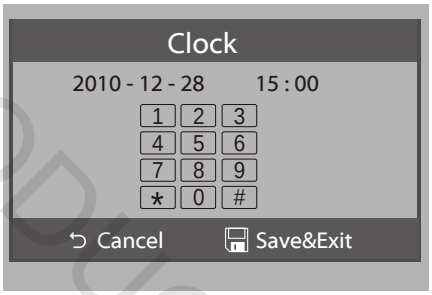
You can set a ring volume for day time and night time individually, 6:00 AM-18:00 PM is the day time and 18:00 PM-6:00 AM is the night time by default, if you don't want to be disturbed at night, you can set the night ring volume to 0.

Touch **User Setup** item on the main menu page to enter the setup page then touch ***Next Page*** item to enter User Setup 2 page. Select ***Ring Volume Setting*** or ***Night Ring Volume*** item. Touch ▲ / ▼ icon to increase/decrease the value; Once complete, touch icon to save and exit. (touch icon to cancel the setting and return to the last page, touch icon to enter the main menu page)



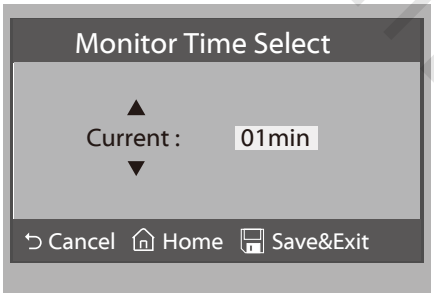
7. Date and Time Setting

Touch **User Setup** item on the main menu page to enter setup page, touch ***Clock...*** item. a digital keypad will be shown on the screen, input date and time by touching the digital keypad and use * key to select the setting item. Once complete, touch icon to save and exit. (touch icon to cancel the setting and return to the last page.)



8. Monitor Time setting

Touch **Manual Monitor** item on the main menu page to enter the camera switch mode setting, select ***Monitor Time Set...*** item. Touch ▲ / ▼ icon to increase/decrease the value; Once complete, touch icon to save and exit. (touch icon to cancel the setting and return to the last page, touch icon to enter the main menu page)



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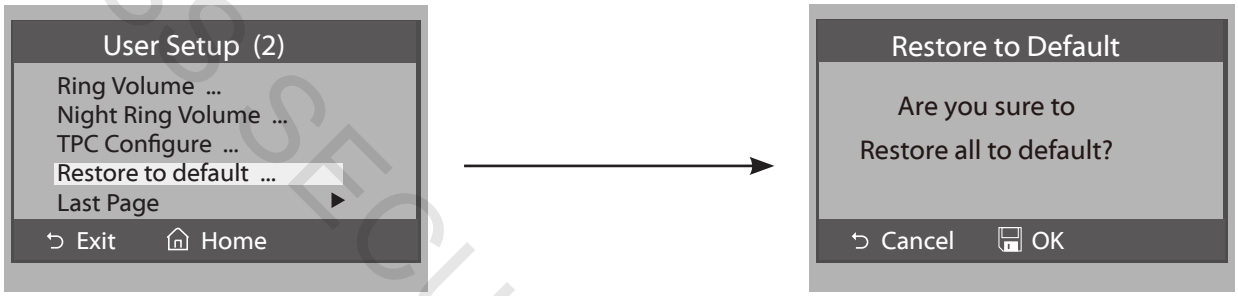
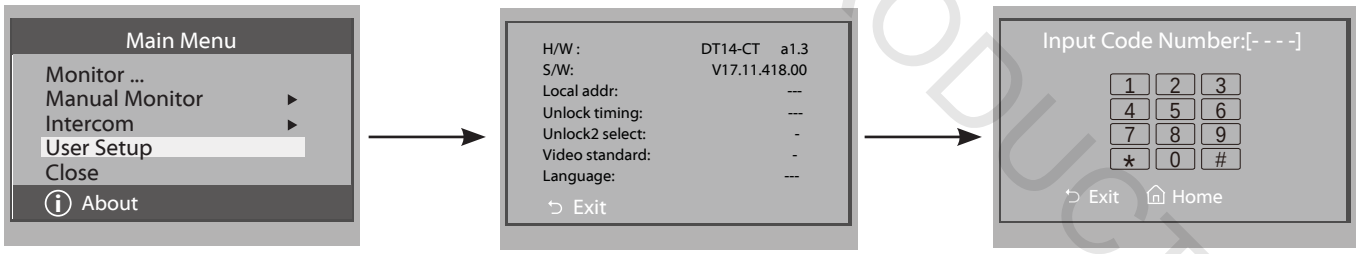
9. Restore to Default

Touch **User Setup** item on main menu page to enter setup page, then touch Next Page item to enter User Setup 2 page, touch ***Restore to default*** item, a message will be asked to confirm the restore operation. If you touch icon, then all settings will be restored to default, if you don't want to restore, touch icon to cancel the operation. (Note that the restore to default operation will not change the time setting and the date.)



10. Monitor Parameter Setting

How to enter the installation setting page



1.Touch About item on main menu page.

2.Touch the screen anywhere and hold for 2 seconds.

3.A digital keypad will be shown.

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.
(**This facility is not available with single zone video entry systems**)

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DIP Switch Settings - Logical Code Method

How to set the master and slave monitor address

A maximum of 4 monitors can be connected in one apartment, one master monitor together with 3 slave monitors, so you should set the code address correctly. (**Note: You must have one monitor set as a master monitor**)
The code of 8000 is used to set the master monitor
The code of 8001 is used to set the first slave monitor
The code of 8002 is used to set the second slave monitor
The code of 8003 is used to set the third slave monitor
Note: Touch * button to cancel the entry, touch # to save the settings

How to set the date and time format

The system offers two methods of date and time
The code number of 8008 is used to set the date format as month/date/year
The code number of 8009 is used to set the date format as date/month/year
The code number of 8012 is used to set the time format as 12 hour system
The code number of 8013 is used to set the time format as 24 hour system

How to set all of the monitors to display the visitor image

In default mode when you receive a call, the master and slave monitors will ring at the same time but only the master monitor will display the image while the slave monitors cannot, however, the settings can be changed, you can set the master monitor and all the slave monitors to 'Panel On' to display the visitor image at the same time when receiving a call, just enter the code number of 8006 on each slave monitor

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DIP Switch Settings - Physical Code Method

There are 6 DIP switches to the rear of each video monitor. The DIP switches are used to configure the User Code for each monitor. Depending upon how many monitors you have, if using a DBC4S unit or have any of the multi way DMR or 592 video entry systems, will determine how you configure the user code using either the Logical or Physical Code Method

The Logial Code Method would be used for a maximum of 4 monitors in one apartment. This is configured by entering the **Installation Setting** page of the video monitor and entering the relevant code numbers

The Physical Code Method is configured by setting the DIP switches to the rear of each video monitor, typically this is required when installing any of the multi way DMR or 592 video entry systems or if you have more than 4 monitors in one apartment (591 or 596 systems only)

NOTE for all multi way DMR and 592 video entry systems: You cannot have more than 4 monitors in one apartment

NOTE for 591 and 596 video entry systems: You can have more than 4 monitors in one apartment

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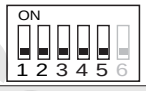
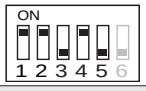
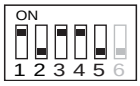
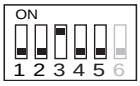
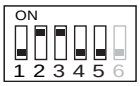
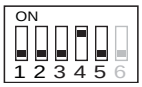
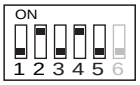
For 591 and 596 video entry systems

Bit state	User Code	Bit state	User Code		
	Monitor 1		Monitor 12		
	Monitor 2		Monitor 13		
	Monitor 3		Monitor 14		
	Monitor 4		Monitor 15		
	Monitor 5				
	Monitor 6				
	Monitor 7				
	Monitor 8				
	Monitor 9				
	Monitor 10				
	Monitor 11				

Note: DIP switch 6 must be set to ON for all monitors if using a DBC4S unit

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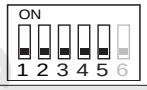
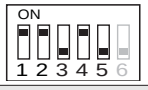
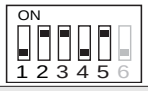
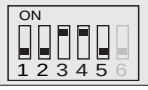
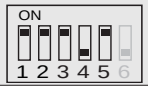
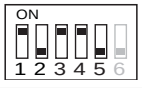
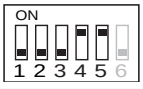
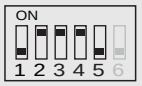
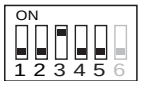
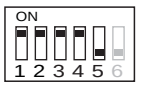
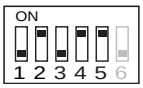
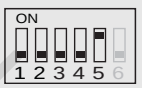
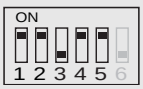
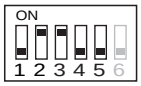
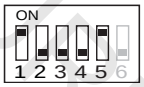
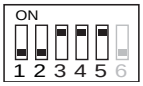
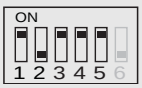
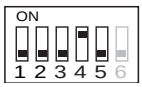
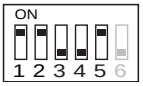
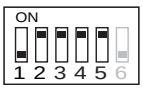
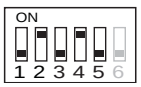
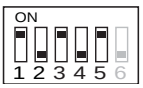
For 592 video entry systems

Bit state	User Code	Bit state	User Code	Bit state	User Code
	Code=0		Code=11		Code=22
	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		

Note: Monitors connected to button A must have a user code set from 0 to 15

Monitors connected to button B must have a user code set from 16 to 31

DIP switch 6 must be set to ON for all monitors if using a DBC4S unit

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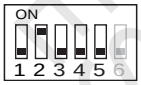
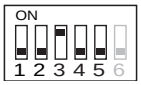
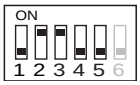
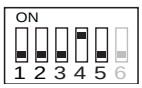
For multi way DMR 3 to 8 video entry systems

Bit state	User Code	Bit state	User Code	Bit state	User Code
	Monitor 1				
	Monitor 2				
	Monitor 3				
	Monitor 4				
	Monitor 5				
	Monitor 6				
	Monitor 7				
	Monitor 8				

Note: DIP switch 6 must be set to ON for all monitors if using a DBC4S unit

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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: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.
The code number from 8021 to 8029 are used to set the unlock time to 1-9 seconds.

How to set the menu language

The monitor can support multi languages and it is so simple and fast, just input the corresponding language code on the monitor. The language code number are as follows:

8101: English	8107: Portuguese	8113: Russian
8102: French	8108: S-Chinese	8114: Slovakia
8103: Spanish	8109: T-Chinese	8115: Hungray
8104: Italian	8110: Greek	8116: Czech
8105: German	8111: Turkish	
8106: Dutch	8112: Polish	

Note: The monitor can only support 4 types of languages. English, French, Spanish and German are default. You can customize any 4 languages by yourself. The language which is unavailable will be set to English by default.

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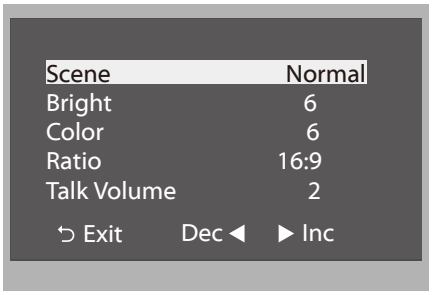
11. Screen and Volume Adjustment

During monitoring or talking, touch [🛠] icon, the ***ADJUST MENU*** will be displayed. Touch and select the adjustment item you require; touch ◀ / ▶ icon to decrease / increase the value.



1. The first item is Scene mode selection: Total 4 of screen modes can be selected in sequence: ***Normal, User, Soft*** and ***Bright.*** Whenever you modify ***Brightness*** or ***colour, Scene*** item will be set to ***User*** mode automatically.
2. The ***Brightness*** and ***Colour*** item is for the image quality setting, adjust the value to get the best image you like.
3. The ***Ratio*** item is for screen display adjustment,you can set to 16:9 or 4:3.
4. The ***Talk Volume*** item is for talking volume adjustment.
5. Note that all the modifications will be activated immediately after the operation. Touch ⮌ icon to exit the adjust page.

12. Specification

- Power supply for indoor monitor: DC 24V
- Power consumption: Standby:15mA; Working: 400mA
- Monitor screen: 7 Inch digital color LCD
- Display Resolutions: 800*3(R, G, B) x 480 pixels
- Video signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: 2 wires, non-polarity
- Dimension: 125(H)×225(W)×23(D)mm

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