Contents

Functionality 2

Login/Shutdown 4

Login: 4

Shut Down: ..... **Error! Bookmark not defined.**

How to use Zones 5

Configuration: ..... **Error! Bookmark not defined.**

Control point 5

Zones (Menu Settings > Zone) 6

Operation 6

Cable Connection 6

Keyboard Setup 6

Operation 6

Speed Dome Menu (Step) 8

Iris/Zoom/Focus 8

Preset 8

Set Preset 8

Go to preset 8

Delete preset 8

Scan ..... **Error! Bookmark not defined.**

Pan ..... **Error! Bookmark not defined.**

Tour ..... **Error! Bookmark not defined.**

Pattern ..... **Error! Bookmark not defined.**

Playback/Channel Changing 9

Note 9

Logout 9

Playback 9

Record 9

PTZ Control and Video Color 10

Tour 10

Single-Window/Multiple-Window Switching 10

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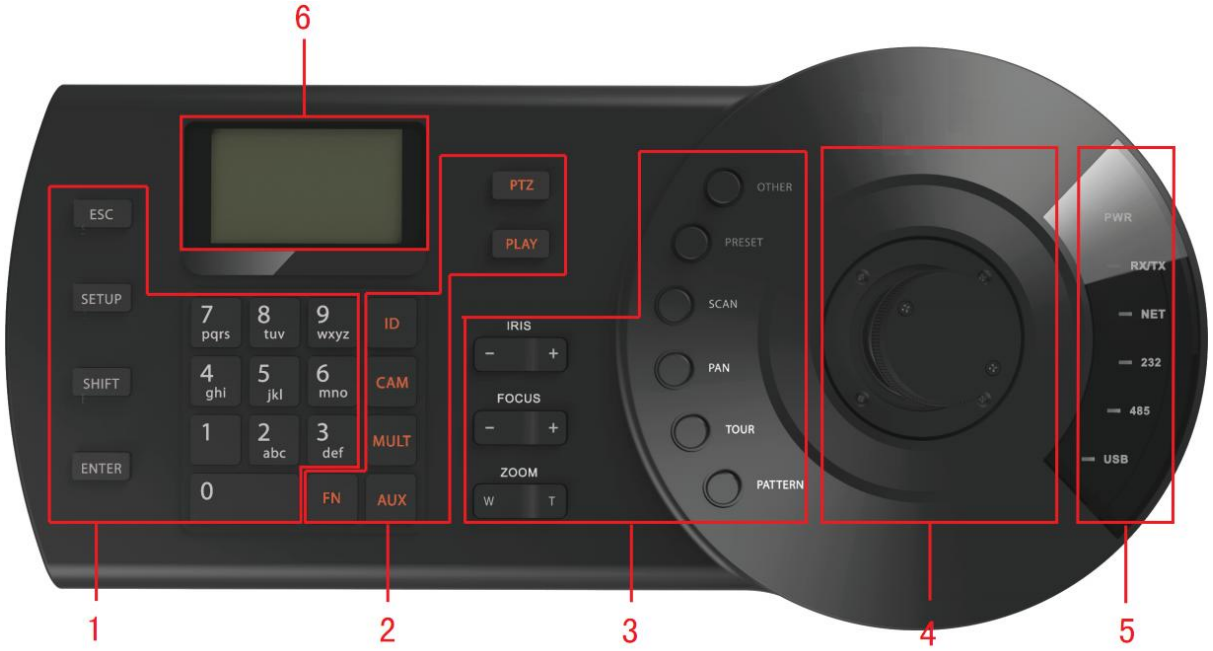
Functionality



SN	Note	Icon	Button Name	Function
1	General function panel	ESC	ESC	Cancel current operation
				In playback mode, click this key to go back dynamic surveillance mode.
		SETUP	Main menu shortcut button	Go back to main menu.
		SHIFT	Change input metho	Switch between input methods
		ENTER	Confirm button	Confirm current operation
		0～9	Character and numerals	Switch between numeral/characters, click Shift to switch.
2	DVR control panel	ID	ID shortcut	Shortcut key to go to ID zone search
		CAM	Device channel number	Control DVR channel.
		MULT	Split button	Control DVR window split
		AUX	Auxiliary	Go to video color interface and open DVR local PTZ interface.
		FN	Function key	Work with the number buttons. 【FN】+1: Go to DVR assistant interface. 【FN】+2: Tour
		PTZ	PTZ button	Control channel PTZ.
		PLAY	Playback button	Control DVR playback
3	Speed dome control panel	IRIS	iris	Control iris.
		FOCUS	focus	Control focus
		ZOOM	zoom	Control zoom.
		OTHER	Speed dome menu	Go to speed dome menu.
		PERSET	Preset	Go to preset setup interface.
		SCAN	Scan	Go to scan setup interface.
		PAN	Pan	Go to pan setup menu.
		TOUR	Tour	Go to tour setup menu.
		PATTERN	Pattern	Go to pattern setup menu.

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SN	Note	Icon	Button Name	Function
4	Joystick	-	-	Aux menu and function operation.
5	Indicator light panel	PWR	Power indicator light	The light is on when the keyboard is properly connected to the power supplying.
		TR/TX	Network data receive and send indicator light	The light is flashing when the keyboard is connected to the network.
		NET	Network indicator light	The light is on when the device is connected to the network.
		232	RS232 indicator light	The light is flashing when there is 232 data transmission.
		485	RS485 indicator light	The light is flashing when there is 485 data transmission.
		USB	USB indicator light	The light is on when the keyboard is connected to the USB device.
6	LCD	-	-	OSD menu

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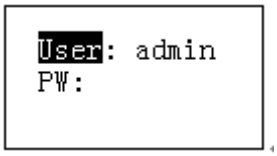
Login

Login:
Connect the keyboard to the power supply. Check to see if the power light is on. You can see the welcome interface after the device is properly booted up. Click either the **ENTER** or **SETUP** button to go to the following screen:



Select the user you wish to log in as and input the appropriate password. Then click **ENTER**.

How to change the Username:
You cannot directly go and change the username; instead you must remove a user and re-add them.

How to delete a pre-existing user.
To do this: Login and go to **Menu Settings > 3. Account > (3)Del User.**
Now highlight the user you wish to modify using left and right on the joystick, and then press **ENTER** to confirm deletion.

How to add a new user.
To add the user back in; go to **Menu Settings > 3. Account > (2)Add User.**
Now input the username in the **USER:** field.
Input a password in the **PW:** field - ***The password MUST contain only numbers***.
And repeat the password once again in the **OK:** field.
Define which group you wish to add the user to using left and right on the joystick, then press **ENTER** to confirm adding the user.

- To delete an incorrectly input character move the joystick to the left.
- To switch between character input; press SHIFT on the keyboard this will switch between Uppercase letters, Lowercase letters and Numerical characters.

PLEASE NOTE: The 3 default usernames (admin, default, guest) **CAN NOT** be deleted.
Once you have input the user name and password, the system will take you to the main menu.
The user you wish to log in as can be changed by moving the joystick to the left or right.

Username	Password
admin	**888888**
default	**888888**
guest	**888888**

The **admin** has full control over the keyboard, with no limitations.
The **default** cannot add or delete a user, modify user rights or manage rights.
The **guest** can only operate control points. There are no other rights available to this user.

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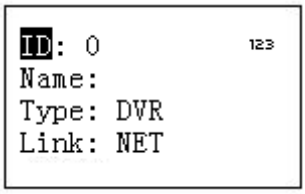
How to use Zones

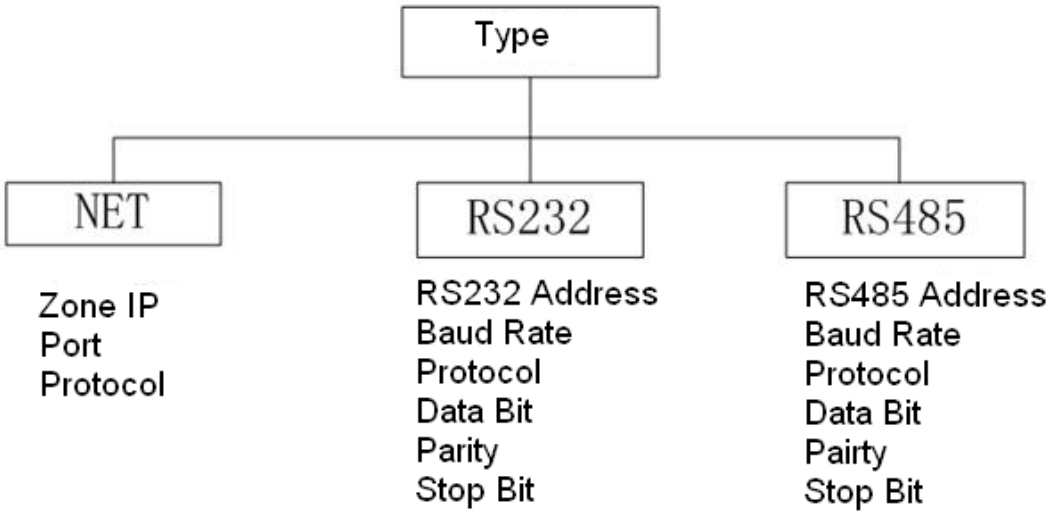
Control point

This is used to set control point information. See the image below. All the items listed below should be set. You can use the ID, device name, COM address or the IP address to search a device easily in zones.



NOTE: The information which you input here should be unique. Otherwise, the system cannot save the setup.

- **ID**: Is the device ID number so that you can recognize the device quickly.
- **Name**: Here you can define a customised device name.
- **Type**: Device type. The options for this include: SD/NVS/DVR.
- **Link**: Please select the type and set the corresponding parameters. The options for this include: NET/RS232/RS485. The interface is shown below.



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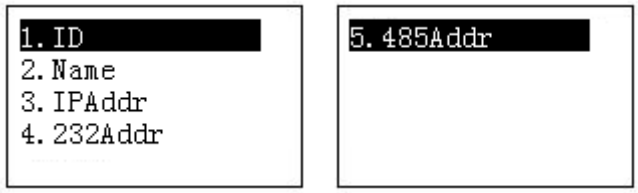
PLEASE MAKE SURE THE COM TYPE AND THE PARAMETERS YOU SET HERE ARE THE SAME AS THE ACTUAL SITUATIONS. OTHERWISE, THE KEYBOARD CAN NOT CONTROL THE DEVICE!

Zones (Menu Settings > Zone)

With this interface, you can quickly search a device via device ID, device name, COM address, IP and etc. The Keyboard can automatically connect to the device and you can use the keyboard to control it.



Operation

Cable Connection

Please connect the keyboards A/B line to the speed dome A/B line connection so that the connection is correct.

Keyboard Setup

a) Ensure that the keyboard A/B line and speed dome A/B line connection is set up correctly.
b) Set the speed dome address so that the speed dome address and the keyboard RS485 address are the same.
c) Go to the zones interface on the keyboard.

Note: Please select protocol according to the speed dome type. The default setup is DH-SD.

d) After the setup, click **ESC** to exit control point control interface. System pops up a dialogue box you can click **ENTER** to save data or click **ESC** to cancel setup.

Operation

On the keyboard, click **ID** to go to the control point interface to set speed dome ID to connect to the speed dome.
After successful connection, the interface is shown as below. See the image below.

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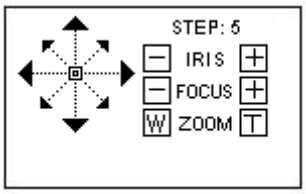

- Step: Defines the movement speed. Input number buttons on the keyboard and then click **ENTER** to confirm. The speed ranges from 1 to 8. The step 1 is faster than step 8.
- The lens movement supports 8 directions. It includes: up/down/left/right/top left/top right/bottom left/bottom right. Please use the joystick to control.

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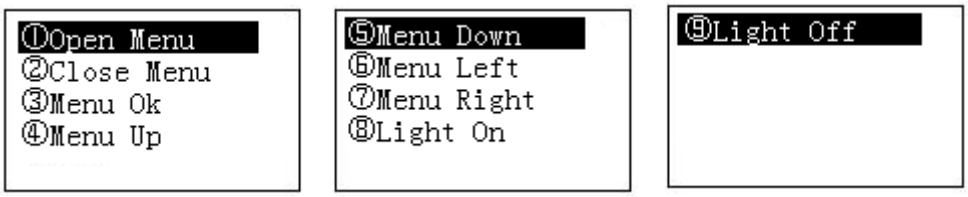
Speed Dome Menu (Step)

On the keyboard, click the **OTHER** button. The interface is shown as below.



Iris/Zoom/Focus

Iris

On the keyboard, use the **+** and **–** buttons on the **IRIS** button, or turn joystick up/down to control the iris.

Focus

On the keyboard, use the **+** and **–** buttons on the **FOCUS** button, or turn joystick left/right to control the focus.

Zoom

On the keyboard, use the **-1W** and **T+1** buttons on the **ZOOM** button, or turn joystick clockwise or counter clockwise to control the zoom.

Preset

On the keyboard click **PRESET**, the interface is shown as below.

Set Preset

a) Use joystick to control the PTZ to set the preset position.
b) On the keyboard click the **PRESET** button, you will be brought to the preset interface.
c) Input the desired preset number and then select set preset, click **ENTER** to save preset setup.

Go to preset

Select Preset and then input preset number, click **PRESET** to go to the corresponding preset position.

Delete preset

Input the preset number at the preset No. item and then select Delete, click **ENTER** go remove it.

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Playback/Channel Changing

The DVR local user has the higher priority than then keyboard user. Before you login, please logout the DVR local menu user, otherwise, you can not use the keyboard to control the device.

a) Click **ENTER** on the keyboard, you can go to the menu options interface.
b) Select zones.
c) Input the ID, device name, IP address.RS232, RS485 which you have set on the control point interface, Click **ENTER** to begin the search.

- The system can automatically connect to the DVR if the search is successful.
- If the system pops up with a dialogue box to inform you the address does not exist, Please check the information and input again.

Note

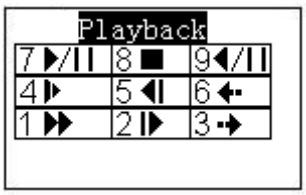
Click **ID** on the keyboard and then input ID number. Click **ENTER** to quickly find the device.

Logout

Click **ID** on the keyboard and then click **ESC** to exit.

Playback

When **PLAY** is pressed on the keyboard; you will be brought to the DVR search interface. Use the joystick to control the playback buttons and click **ENTER** to confirm. See the image below for an example of what this should look like.



Record

On the keyboard, click **AUX** and **1** at the same time, to go to the DVR record control interface. Use the joystick to set channel number and status. Click **ENTER** to save current setup.

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PTZ Control and Video Color

On the keyboard, if you press **FN** followed by **1**, you can go to the DVR aux interface. Use the joystick to select PTZ or video colour set.

If you press the **AUX** followed by the **2** button, you can directly go to the PTZ control interface.

Tour

On the keyboard, press **FN** followed by the **2** button, you can control the tour function of the DVR.

Note:

This function is only valid when the tour function of the DVR is enabled. You need to go to the (Setting >Display) to enable tour function.

Single-Window/Multiple-Window Switching

On the keyboard, if you press channel number followed by **CAM**, you can go to the specified channel. For example, click number **1** then **CAM** to go to channel 1.

On the keyboard, press a number followed by **MULT**, you can enable multiple-channel display mode. For example, if you press number **4** then **MULT**, the system goes to 4-window display mode.

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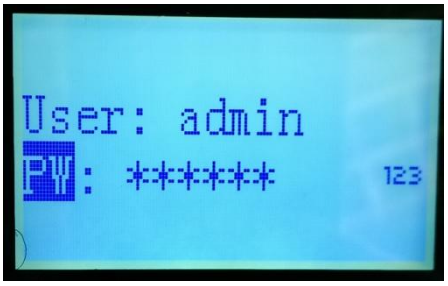
Network & Com Setup

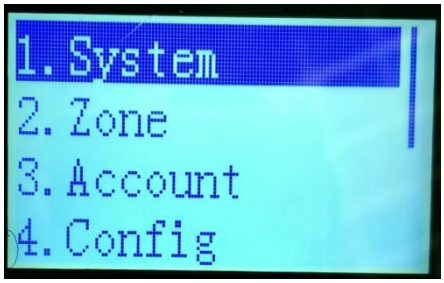
Defining the Console 5X network settings.

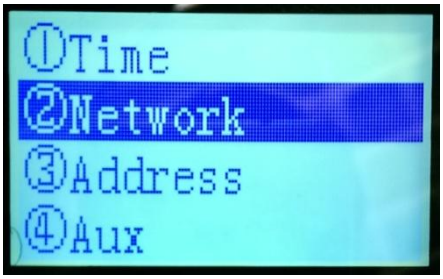
Log in to the keyboard. Go to **Menu Settings** > **System** > **Network**.

This is the location for defining the address of the IC-Console-5X Keyboard.

1. 

2.

3. 

4. 

In the **Network** screen you will see the following, please note the description of each heading.

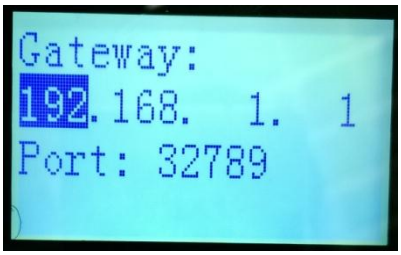
IPAddr: 192.168.1.7 – This is the IP address which you wish to assign the ***Keyboard***.

Subnet Mask: 255.255.255.0 – This is the subnet mask of the ***Keyboard.***

Gateway: 192.168.1.1 – This is the default gateway of the ***Keyboard.*** It is usually, but not always, the internal network IP of the router to which the keyboard and recorder are connected.

Port: 32789 – This is the port number that you wish to assign to the ***Keyboard.***

5.

6. 

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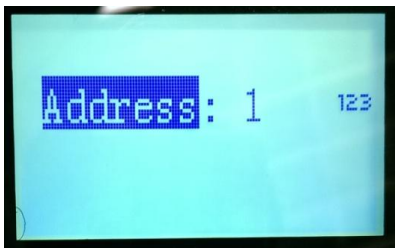
Assigning an Address to the keyboard.

Go to **Menu Settings** > **System** > **Address**.
This is where you assign the keyboard an address this would be used in an instance where you have two or more keyboards or network devices, capable of interaction with either the Speed Dome PTZ's or Recorders on the network.
The address range is from 0 – 255.

7.

8. 

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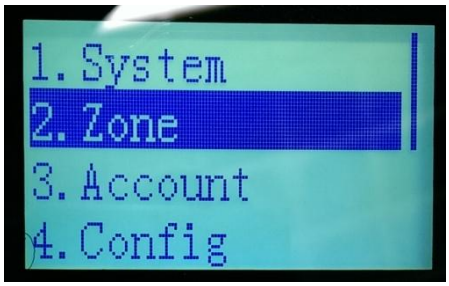
Defining Zones connection to other network devices such as PTZ Speed Domes, Recorders & Network Video Servers.

Go to: **Menu Settings** > **Zone**.
In the **Zone** screen you will see the following, please note the description of each heading.



ID: 2 - This is the ID of the Zone of the Network connection, in order to have multiple Network connections you will need to assign each Zone a unique ID ranging from 0 – 2048.

Name: Test – This is the identifier by which you will know which network that you are adding. (Press **SHIFT** on the keyboard to cycle through numerals, uppercase and lowercase letters).

Type: DVR – The type of device which you are connecting to. These can be **DVR** (Digital Video Recorder, Network Video Recorder); **SD** (Speed Domes, PTZ's); or **NVS** (Network Video Server).

Link: Net – This is the type of connection you wish to have going to your device it can be any of: **NET** (Network, Ethernet connection); **COM 232** or **COM 485**.

IPAddr: 192.168.1.108 – This is the IP Address of the device which you are trying to connect to.

Port: 32789 – This the TCP port number of the device you are trying to connect to.

Rule: DH-2 – This is the unchangeable rule protocol for the connection to the keyboard.

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PW: admin – This is the password of the DVR, Speed Dome or NVS which you are trying to connect to.

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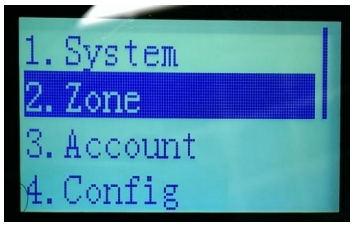
Com Configuration

Go to: **Menu Settings** > **Zone**.



The configuration for **COM 232** & **COM 485** is similar to that for a network configuration but contains some notable differences listed below:

ID: 3 - This is the ID of the Zone of the Network connection, in order to have multiple Network connections you will need to assign each Zone a unique ID ranging from 0 – 2048.
Name: Comlin – This is the identifier by which you will know which network that you are adding. (Press **SHIFT** on the keyboard to cycle through numerals, uppercase and lowercase letters).
Type: DVR – The type of device which you are connecting to. These can be **DVR** (Digital Video Recorder, Network Video Recorder); **SD** (Speed Domes, PTZ's); or **NVS** (Network Video Server).
Link: COM 232 – This is the type of connection you wish to have going to your device it can be any of: **NET** (Network, Ethernet connection); **COM 232** or **COM 485**.
232Addr: 1 – This is the address of the COM 232 connection in case there are multiple 232 connections set up on the same range.
Rule: DH-2 – This is the unchangeable rule protocol for the connection to the keyboard.
BaudRate: 9600 – This is the baud rate for the device which you are trying to connect to. The baud rate can be any of: 300, 600, 1200, 2400, 4800, 9600, 192000, 38400, 56000, 57600 or 115200.
DataBit: 8 – IC Realtime machines always have a default of Databit: 8. (5, 6 & 7 are also available).
Parity: None – On IC Realtime recorders it always set to None. This can be set to Even, Odd or None.
StopBit: 1 – On IC Realtime devices our default Stopbit is 1. This can also be set to 1.5 & 2.

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