
BE SERIES
Building Multi-Tenant Video Intercom System

Programming Manual



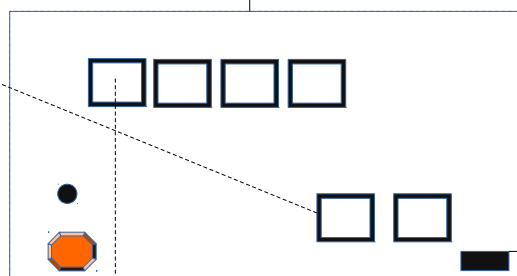
BEC VIDEO INTERCOM CAT5 WIRING (1 DOOR)



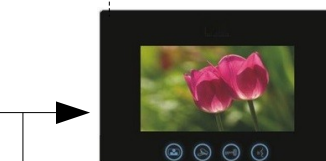
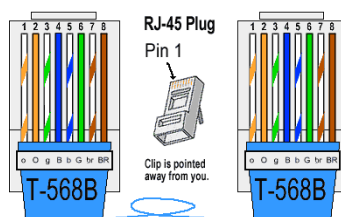
12V G2 G1 18V



Run your Lock directly to the door using
the 5 pin connector



CAT-5 -----
18/2 -----



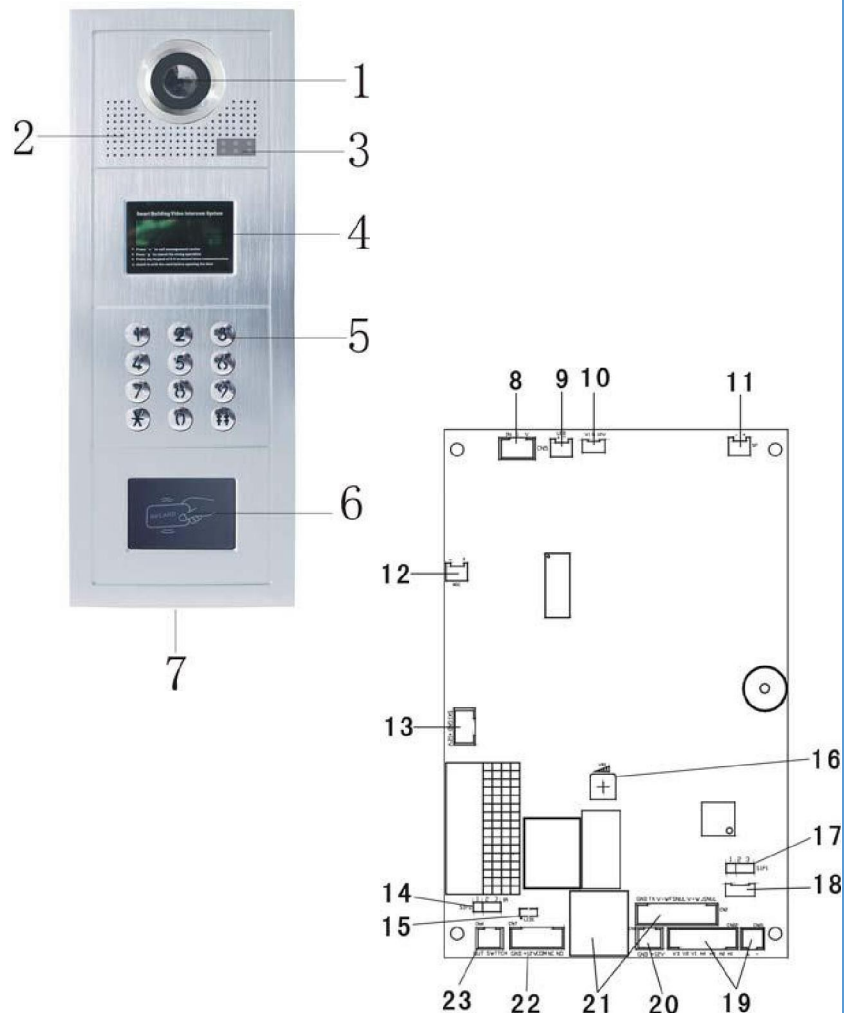
Use your RJ-45 with 8 pin to
connect Cat5 to Monitor

Getting Started:

- Please check all items upon arrival notify us immediately if any parts are missing or damaged.
- Pre-test you Cat-5 Cables (Tester included) before installing.
- If you did not purchase your electric door strike from us, make sure you have a 16-24V DC. You cannot use AC strike. Wire 18/2awg (60 foot maximum)
- If possible consider a central location for your Decoder (layer adapter) This will be where your Cat-5 cables extend to each room station. The max distance for a single run is (98 feet)

Outlook and functions of all terminals

- 1、 Camera
- 2、 Speaker
- 3、 IR LED
- 4、 Digital Display Window
- 5、 Digital Keypad
- 6、 RFID Swipe Window
- 7、 Microphone
- 8、 Receiver Slots of Remote Controller
- 9、 IR LED slots
- 10、 Camera slots
- 11、 Speaker slots
- 12、 Microphone slots
- 13、 Access control slots
- 14、 SIP2 Unlock Controller
- 15、 Indicated Lights of Unlock
- 16、 Volume Potentiometer
(VR1): balance potentiometer of sending & receiving volume—the greater the volume of the gate station, the less the volume of the monitor.
- 17、 SIP1 restores the original state
- 18、 Programming slots
- 19、 Keypad Slots
- 20、 12V power supply slots
GND +12v



- 21、 8 Pin Cable Slots and RJ45 Cable Slots.(the same function, only one used)

- 1、 GND: Ground Cable of Gate Station
- 2、 TX: Telecommunications cable of Gate



- 1 white-orange
- 2 orange
- 3 white-green
- 4 blue
- 5 white-blue
- 6 green
- 7 white-brown
- 8 brown

Station

- 3、V-: Video cables of Gate station
- 4、WFS:Transmitting Sounds of Gate Station
- 5、NUL: None
- 6、V+:+ Video Cable of Gate Station
- 7、WJS: Receiving sounds of gate station
- 8、 NUL: none

22、 Electronic Lock Slots (Connection Diagram of E-lock and Gate Station)

(GND) Ground Cable of Power Supply

(+12V) +12V Positive Wires of Power Supply

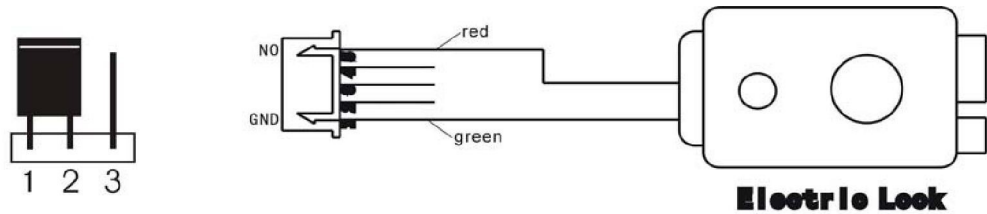
(COM) Common Terminal of Relay

(NC) Normally Closed Terminal of Relay

(NO) Normally Open Terminal of Relay

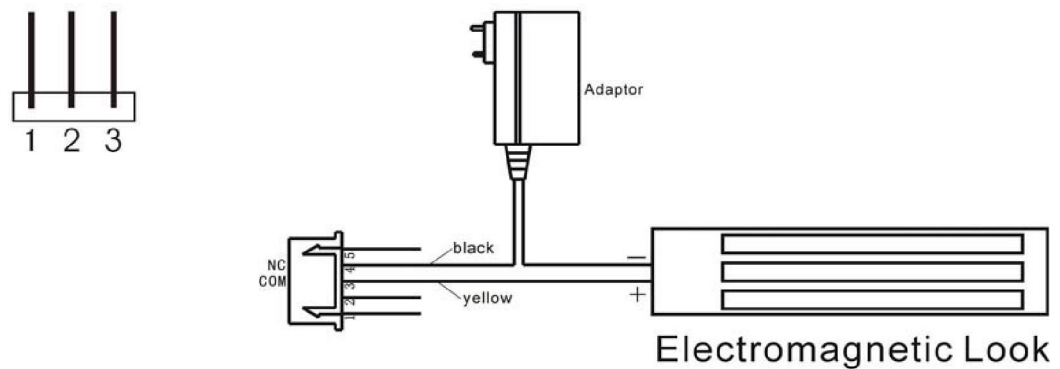
1、 Connection Diagram of Electronic Lock

Jumper Mode: Get 1 & 2 Connected

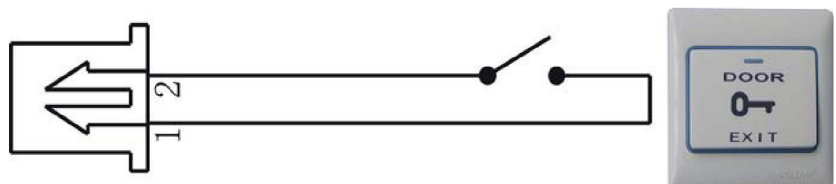


2、 Connection Diagram of Electromagnetic Lock (Power Supply of Electromagnetic Lock is provided separately)

Jumper Mode: Release 1,2,3



23、 Door Exit Switch



BEC BUILDING VIDEO INTERCOM PROGRAMING

To enter main programming first enter SYS1 settings :

Push 1 and * " - - - -" will display. Then enter the 4 digit Admin password 6666 and push *. If SYS1 is displayed, the System can is now ready to program. The original Admin password is 6666. Pushing 0* will exit SYS1 from anywhere while programming.

You should now see SYS1 on your screen, which means the system is ready to be programmed. Follow the chart below to set your system to the proper settings for your system.

1. Program Entry Doors - From SYS1 Press 1* - Should now show ID01. If you have one door Press 1* system will say pass and will Tone. For Multi-Door Units, set each door station to match the port that door is run To on the Multi-door switcher. Press 2*,3* and so on. The system will say pass and will tone and return to SYS1.
2. Lowest Floor Level - From SYS1 Press 2* - Should now show FL01. Press 1* to confirm. System will say pass and tone and return to SYS1.
3. Highest Floor Level - From SYS1 Press 3* -Should now Show LL32. Set your Floor number To one number above your actual total number of floors as the door Counts as a floor. If you have 1 floor press 2* ,The system will say pass and Will tone. If you have 4 floors press 5*, again system will say pass and tone And return to SYS1.
4. Number of Rooms - From SYS1 Press 4* - Should now show LR08. Set the total number of room Monitors the door you are programming will be calling. If you have 4 Room monitors press 4*, for 5 rooms press 5* and so on. System will say Pass and tone and return to SYS1.
5. Admin Password - From SYS1 press 5* - Should now show 6666. This is the admin password to enter The programming options in SYS1. It is advised that you save this for Last, and use the 6666 throughout the programming. If you choose to change This password for security purposes, choose any new 4 digit number. Enter new 4 digit password and press *
6. Residential Password - (see detailed programming on page 5) Your Default residential password Is 8888. As with the Admin password, this can be done after the initial programming Is complete. This will give your tenants access without using a Key fob. Your tenant can select their own password, and with the use of their room number Have an 8 digit access code. I.e. 01011234
7. Room programming - (see detailed programming below) When programming your room numbers you Must enter 4 digits. I.E room 1 on floor 1 would be programmed as 0101. the first 2 digits are the floor the second 2 digits are the room number. 0210 would be The second floor room number 10. Once the system is programmed you can Use just the 3 core digits, 0101 can be activated by pressing 101

The last 2 digits of the room # MUST start at "01". NO room # can end with "00"
8. Door Release Timer - From SYS1 press 8* - Should now show 100. This would give you 10 seconds. It is timed in 1/10's. The Maximum time you can program is 255 which would be 25 Seconds

****PROGRAM ROOM NUMBERS****

1. Enter "SYSTEM 1" Program Mode - Press **1 * 6666** Then Press **7 *** (Display Says - P 1)
2. Press **Layer Adapter** Button ONE time – red light should begin flashing
3. Next Press ***** Then enter the first four digit room # (example 0101 would indicate Room 101)
4. After entering first room number press **** (this should say PASS** and then P 2 for 2nd unit number)
5. Screen should show "____" "now enter the 2nd room number and again hit **"
6. Continue step 4 and 5 until all room stations on this Layer Adapter are programmed
7. After your final room station number is entered press ***** once and then # (display should say **SYS1**)
8. Press **0 *** to exit SYS1
9. Finally Press Layer adapter button **ONCE** to save sys1 settings. (**Red light should stop flashing**)

When programming room stations you must use 4 digits.

The first two digits are for the "floor number" & the last two digits are the "room number".

Example : You have 4 room monitors, one on each floor of a 4 story building

The first floor monitor would be programmed as 0101 (floor 1 Room 1)

The second floor room monitor would be 0201

The 3rd 0301 And the 4th 0401

Example: You have 4 room monitors, 2 on each floor of a 2 story building

The first floor room monitors would be programmed as 0101 & 0102

The second floor room monitors would be programmed as 0201 & 0202

****NOTE****

The Cat-5 wire for each room station must be in proper order with the layer adapter ports.

Example: Room 0101 needs to be in the #1 Cat-5 port on the layer adapter, 0201 would be in port #2

If there's more than one room per floor 0101 would be in port #1 and 0102 would be port #2

The last 2 digits of the room # MUST start at "01". NO room # can end with "00"

CHANGE THE MAXIMUM # OF "FLOORS"

The system comes set by default to 32 floors and this should be changed to one level MORE than the total number of floors. If you have 2 floors, set this to 3. For all other SYS1 settings you will set your exact number, 1 gate station is set to 1, 4 room monitors is set to 4 ect.

This setting MUST be changed as follows:

1. Program Mode(SYS1) - Press **1 * 6666** to enter SYS1 and then **3 *** to enter floor number programming.
2. Then input new quantity for number of floors and press *****. It will show "**PASS**" (A long BEEP will be heard. (This means the Max floor number has been changed to the new floor number entered.)
3. Finally press **0 *** to exit. (Remember to set to one above your actual number of floors)

CHANGING RING TONE

1. In standby status, press and hold the "Unlock Button" on a video unit for 5 seconds. This is the third button from the left.
2. Press the "Alarm Button" to select one of the 12 types of tones.
3. Press the "Unlock Button" to confirm and exit.

***** NOTE ***** when changing the ring tones you will notice that this also changes the ring tone at the door entry panel as well. Each unit may select its own ring tone style. This is what will ring at the unit and at the door.

Set monitor to "Do Not Disturb"

1. Hold down the monitor button and the unlock button at the same time. Do this for five seconds.
2. Next... Press the unlock button once more. Do not disturb is now set.

Turn Off "Do Not Disturb"

1. Hold down the monitor button and the unlock button at the same time. Do this for five seconds.
2. Next... Press the alarm button once. Do not disturb is now off.

Set-Up and Programming of "Multi-Door Controllers" FOR MULTI DOOR SYSTEMS

When using more than one door entry panel you will need a multi-door controller. One multi-door controller will support up to six doors. This controller will require that in 18 to power cable, and a cat 5 cable run to the layer adapter. You will also need one cat five cable run from this controller to each entry door panel.

**** NOTE** - When programming your door panels you will need to set up each door entry panel with its associated number on the controller (ports 1 - 6) whichever door entry panel is plugged into port one needs to be programmed as door number one. Programming for this is shown below.

***** NOTE** - when programming room numbers you will need to program each door entry panel with the rooms that you would like that location to be able to call. Example: if you have two entry doors and you would like both entry doors to be able to call ALL units, then you will need to program the room numbers into each door entry.

SETTING UP KEY FOBS & ACCESS CARDS :

Using the master card that came with the door entry panel, Swipe the "management card" in front of the card reader on the door entry panel to start the programming. Then swipe the key fobs or access cards one at a time. After you swiped All the access cards and key fobs, swipe the management card again for confirmation and exit.

This card is only used for programming key fobs and access cards.

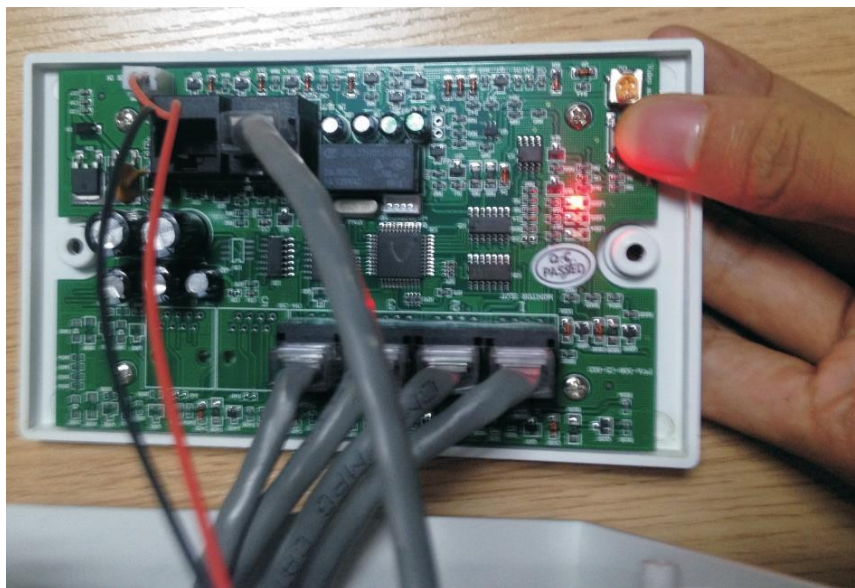
REMOVING KEY FOBS & ACCESS CARDS :

This system is sold with an optional remote that can be used to remote individual key fobs and access cards. It is best to list the number for each key fob and card that is set up in the system. If a log of these numbers is kept for all tenants you will be able to use that number in conjunction with the remote control for removal of individual fobs and cards. The part number for the remote is BE-RKC

REMOVING & RE-ENTERING KEY FOBS AND CARDS : (Only do this when re-entering ALL facility cards & key fobs)

On the back of the outdoor station you will find 3 connector, JP1, JP2, JP3 (print on the circuit board).

1. Cut off the power.
2. Connect JP3 by using the plastic connector.
3. Power on after about 5 second, you will hear a sound that means all the key fobs were restored factory defaults.
3. Separated the connector and then re-swiping all the key fob.



1.How to set up residential password to open the door

1. Restart (turn ON/OFF) residential password unlock

| Step | Input | Display |
|--------------------------------------|-------|---------|
| 1 | 2 * | ---- |
| 2(Input initial admin password 6666) | 6666 | Sys2 |
| 3 | 5 * | OFF |
| 4 | 8 * | PASS |



2. Administrator set up the residential password (Done Per Apartment Number)

| Step | Input | Display |
|---|---------------------------|-----------------|
| Room 0101 | | |
| 1 | 6 * | ---- |
| 2(Input initial admin password 6666) | 6666 * | PASS and then r |
| 3(Input room number 0101) | 0101 (Room number) | P |
| 4(Input residential password, here for example use"1111"as the password of 0101# room) | 1111 (Password) | PASS |
| Room 0101 is OK now, password is 1111 | | |



| Step | Input | Display |
|---|---------------------------|-----------------|
| Room 0102 | | |
| 1 | 6 * | ---- |
| 2(Input initial admin password 6666) | 6666 * | PASS and then r |
| 3(Input room number 0102) | 0102 (Room number) | P |
| 4(Input residential password, here for example use"2222"as the password of 0102# room) | 2222 (Password) | PASS |
| Room 0101 is OK now, password is 2222 | | |

Example - Follow the same steps to set Room 0103 and 0104.

3. How to unlock the door by using residential password?

8* + room number + password

For example, room 0101: 8* 0101 1111

3. How to change the residential password by tenants?

| Step | Input | Display |
|----------------------------|-------------------------|---------|
| 1 | 5 * | r |
| 2 (Input room number) | 0101 | P |
| 3(Input original password) | 1111(Original password) | |
| 4(Input new password) | 8888(New password) | PASS |

Setting the Public Password

Step 1: Activate the public pass word function.

2*6666

6*

8*

0*

Now the public pass word function was activated and the initial public password is

9*8888

Press 9*8888, the door will open.

If you want to change the public password continue following the steps below

1*6666

6*

XXXX (New public password)

*

0*

Press 9*XXXX, the door will open.

POSSIBLE ERROR CODES AND REASON:

Er00—Wrong Password

Er01— non-existing room number

Er02— Wrong transmission

Er03— Conflicted transmission

Er04 —failed set of residential password unlock

Er06 — no response between Gate station and layer adapter

Er07— Failed communication between layer adapters and monitor's

Er08—Unlock delay over 255

Er09—Wrong input parameters of network switch

Er10—Failed set of network switch's parameters