8V&8VK models
V1.3 Software

Installation Manual

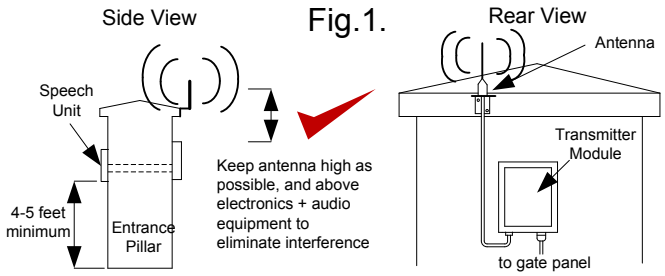
Installation

1) Before you install this equipment, please read this full manual.

2) Ensure that there is good network reception at the location where it will be installed.

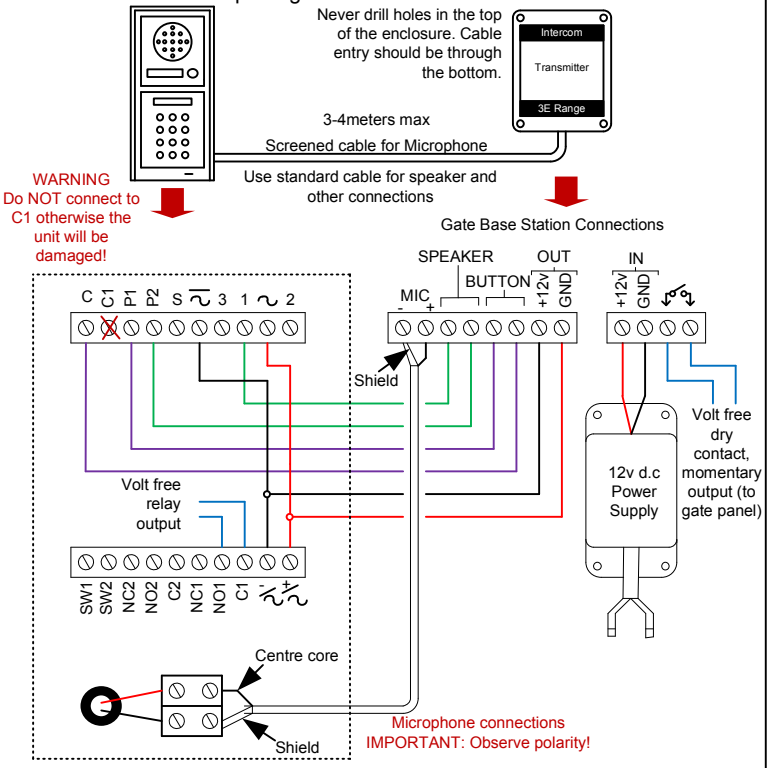
3) As per Fig 1, install the speech panel on the front of the pillar.

4) Install the antenna as high as possible on the top of the pillar to ensure line of sight in all directions for best possible reception.



Wiring

5) Use shielded cable between the speech panel and the transmitter module. Connect as per Fig 2.



Installing SIM card

6) Before installing SIM card, switch **OFF POWER**, ensure that the card has been registered, activated, and has some calling credit. Check it works in a mobile phone first.

IMPORTANT:
The SIM card holder is FRAGILE. Do NOT force. Do NOT use a screwdriver.

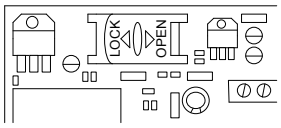


Fig.3.

7) Carefully slide the SIM holder door in the OPEN direction as shown in Fig 3. Slide the SIM card into the holder, and close the door, sliding it in the LOCK position.

8) After a final check of wiring, switch on the power to the system. There are 2 LED indicators on the module. 1 is for power, and the other is for GSM network detect.

Allow 20-30 seconds for the unit to boot up and detect the network. Once successful connection has been made, the unit will sound a confirmation tone and the status LED will begin flashing. If there is a fault or problem, the unit will emit a series of bleeps or warning tones.

Programming

Programming can be done either by calling the unit and programming by DTMF over the phone, or by sending the unit SMS text messages. (SMS method is more reliable in poor reception areas).

Programming by Calling (DTMF)

9) Call the SIM card telephone number. The device will answer the call and you will hear a bleep.

10) Enter programming mode by pressing..

(*) (1) (2) (*) (1) (2) (3) (4) (#) (1234 is default password)

A successful pass code will produce a single long tone. A failed attempt will produce 3 short bleeps. If you continually get 3 bleeps, try SMS programming method.

11) You may now program up to 3 telephone numbers into memory for the unit to dial when the call button is pressed.

(1) (1) Enter 1st telephone number here (#)

(1) (2) Enter 2nd telephone number here (#)

(1) (3) Enter 3rd telephone number here (#)

12) It is recommended to change the "no answer" time if there is more than 1 number stored. This stops the unit ringing a number after a set time, and can be used to prevent voicemail answering the call.

(5) (2) (?) (?) (#)

(?? = 10-99. This is 10-99 seconds and may need to be adjusted. Default = 20 seconds)

Change programming password (default 1234)
(0) (1) (?) (?) (?) (?) (#)

Change output relay N/O or N/C
(N/O=1, N/C=2, default = N/O)
(2) (?) (#)

Microphone volume *(? = 1-4, default = 3)*
(4) (?) (#)

Speaker volume *(? = 1-3, default = 3)*
(3) (?) (#)

Relay activation time
(? = 1-9, default = 1. Note 1=0.5sec)
(5) (1) (?) (#)

Change relay activation key
*(? = 1-9, * or #. Default = *)*
(6) (1) (?) (#)

Max call time *(?? = 05-99, default = 60)*
(5) (3) (?) (?) (#)

Restore Defaults
(9) (9) (9) (#)

To allow users to access the property by using caller ID from their mobile phones, program the following parameters..

Add a number (up to 100 numbers)...
(7) (2) Telephone number (#)

Delete a number...
(7) (3) Telephone number (#)

To delete all numbers...
(7) (3) (*) (#)

Insert international country code (1-3 digits)
(7) (1) Country code (#) *E.g. for UK enter 044*

Any numbers programmed will now automatically open the gate/door when they ring the intercom SIM card number.

Change access control password for telephone numbers not stored... (default 5678)
(0) (2) (*) (?) (?) (?) (?) (#)

SMS Programming Method

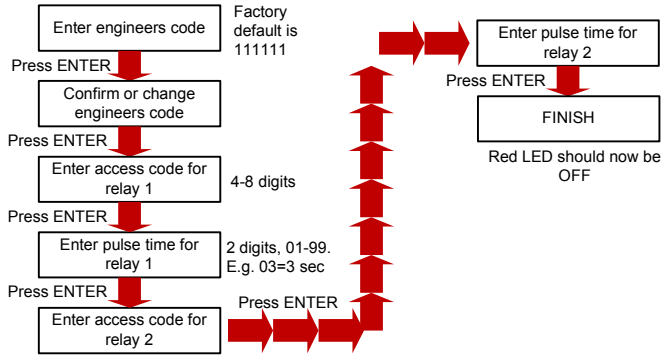
ANY of the above parameters can be programmed by SMS. The message must begin with the programming pass code. E.g.

This would program telephone number 07546747744 to be the first number the unit dials when the button is pressed.

Note: you can add multiple commands into the same text, as long as it does not exceed the maximum character count for your phone. Just separate each command by a #. No spaces!

On a successful SMS, the unit will send a reply with the same data as stored, followed by "OK".

Keypad Programming (only for VK model)



Operation and Testing

15) Press the call button on the speech panel. You should hear a tone. The unit will ring the first telephone number programmed.

16) Answer the call and check for two way voice. Activate the relay by pressing the * key and hang up.

17) To open the gate/door by password, ring the unit. If the number is not stored in the access control section, then the unit will answer the call. Enter *33* password # to activate the relay (default password = 5678).