user manual

QK-INTD

AUDIO INTERCOM (2 wires)

quiklo®
opening solutions

General:
The QK-INTD system is an access control system for private houses.
The system includes an access panel QK-INTD and a two wires telephone line
 adapter.
The system enables speaking with visitor who is waiting at the door or the
entrance gate, using any telephone in the house including wireless.
The electric entrance locks can be released from remote.
Two different entrance doors can be controlled by the system.
No need to install intercom handset.
Optional bypass pushbutton enables easy door opening from the inside.
The device is environment resistible.

Features:
- Special ring on the telephones when the call coming from the panel on the entrance.
- Controlling two door panels (main and secondary) and two electric locks.
- Holding a call on hold with background music.
- Does not interfere telephone calls and telephone services as: call waiting, voice mail…
- Enables leaving messages on the answering machine if exist.
- The adapter can be fitted to most of the domestic telephone exchanges.

Specifications:

Operating voltage: 12VAC 1000mA	Color: bronze
Controlling electric or magnetic lock (Normally open or normally closed)	Dimensions: "QK-INTD" Panel (surface mount installation only): 6-3/16"H x 3-12/16"W x 1-12/16"D

Installation the adapter:
Setting the jumpers
Before installing the adapter, the adapter's jumpers should be set according to the installation and the type of the lock.
Jumpers JP4 and JP5 are located on the front of the adapter below the terminals' row.
Jumper JP3 is located under the adapter's cover.
The adapter can be connected to telephone line or telephone exchange with special intercom line.

Jumper and use	open	closed
JP4 – using of dialing line	using of dialing line	Operating without dialing line. For telephone exchanges with special intercom line

Jumper and use	Jumper on 1-2 and another on 3-4	Jumper on 2-3
JP5 – lock control	12VAC voltage to electric locks	Contacts to the electric locks. Recommended state.

Jumper and use	open	closed
JP3 – bypass pushbutton	System without bypass pushbutton	System with bypass pushbutton

Choose the installation location according to the following conditions (the communication box is the most appropriate):
    a.   Shaded place, water and high humidity resistant.
    b.   Close to power socket.
    c.   Close to the main telephone line coming to the house, not regular telephone socket.
    d.   Installing near electric, cables, antenna tubing should be avoided.
Before the installation verify that the line is not ADSL.
In case of ADSL line, a splitter should be placed before the adapter. the splitter's telephone outlet should be connected to LINE in the adapter. And the ADSL outlet should be routed to the computer.

Connect the following wires to the adapter's terminals. You can be assisted by the attached diagram.

1,2. **12VAC** – verify the power supply is not connected to the power outlet. Pair of wires from the power supply can be connected to these terminals or using a plug can be connected to the socket near these terminals. Either way the polarity is non significant.

Even if you use the socket, you can still draw voltage from the 12VAC terminals.

3. **PANEL1** – pair of wires from the entrance panel located near the main door.

4. **DOOR1** – control over the main door's lock. The recommended way is dry contact from these terminals (jumper over pins 2-3 on JP5).

First wire from electric lock to one of DOOR1 terminals. Second wire from electric lock to one of 12VAC terminals. Short wire from the second 12VAC terminal to the second DOOR1 terminal.

The other option is to take 12VAC voltage from these terminals (one jumper over pins 1-2 and second jumper over pins 3-4) in this option the electric locks wires should be connected directly to these terminals.

5. **PANEL2** - pair of wires from the entrance panel located near the secondary door (if installed).
or alternatively pair of wires from bypass pushbutton (if installed - jumper JP3 should be set)

6. **DOOR2** - control over the secondary door's lock (if installed). The condition of jumper JP5 set to control the first lock applicable also to the second lock.

The recommended way is dry contact from these terminals (jumper over pins 2-3 on JP5).

First wire from electric lock to one of DOOR2 terminals. Second wire from electric lock to one of 12VAC terminals. Short wire from the second 12VAC terminal to the second DOOR2 terminal.

If the other option was chosen (12VAC voltage from these terminals, one jumper over pins 1-2 and second jumper over pins 3-4) then the second electric locks wires should be connected directly to these terminals.

Telephone line connection:

Attention: the adapter is located between the main telephone line coming to the house and the telephone lines in the house.

Verify jumper JP4 is not set.

If there is not a communication box, the main telephone line coming to the house should be cut and connected as described:

7. **PHONE** – pair of wires to the telephones in the house.

8. **LINE** – pair of wires, telephone line coming to the house.

Installing bypass pushbutton

If you choose to install a bypass pushbutton in order to open the door from interior, only one panel and door lock can be installed.

First, jumper JP3 should be set. (look the direction in "Setting the jumpers")connect pair of wires from the pushbutton to the adapter's PANEL2 terminals.

The opening time using the pushbutton is longer (5 seconds in contrast to 3 seconds using the telephone)

Installing the panel

Using Phillips screw driver open 4 top cover's screws, carefully pull up the panel.

Using a screw driver, expose the 4 covered insulations bores and the round wires bore.

Attach the base of the panel to the wall, using a pencil mark the 4 fixing points.

Drill the 4 fixing points on the wall.

Route the wires through the round bore in the base of the panel.

Using 4 screws install the base to the wall.

Connect 2 wires coming from the adapter to **LINE** terminals in the panel..

❖ the polarity of the wires is non significant.

Reassemble the panel over the base.

Attach the top cover to the base using the 4 screws.

Indication lights in the adapter

Red light – illuminates constantly, indicating power supply to the adapter.

Green light:

When turning on the unit – blinks for 2 seconds. Indicating correctly initiation.

When calling from one of the panels – flashes in the rhythm of the ringing.

When speaking with the panel – illuminates constantly.

When no conversation – turned off.
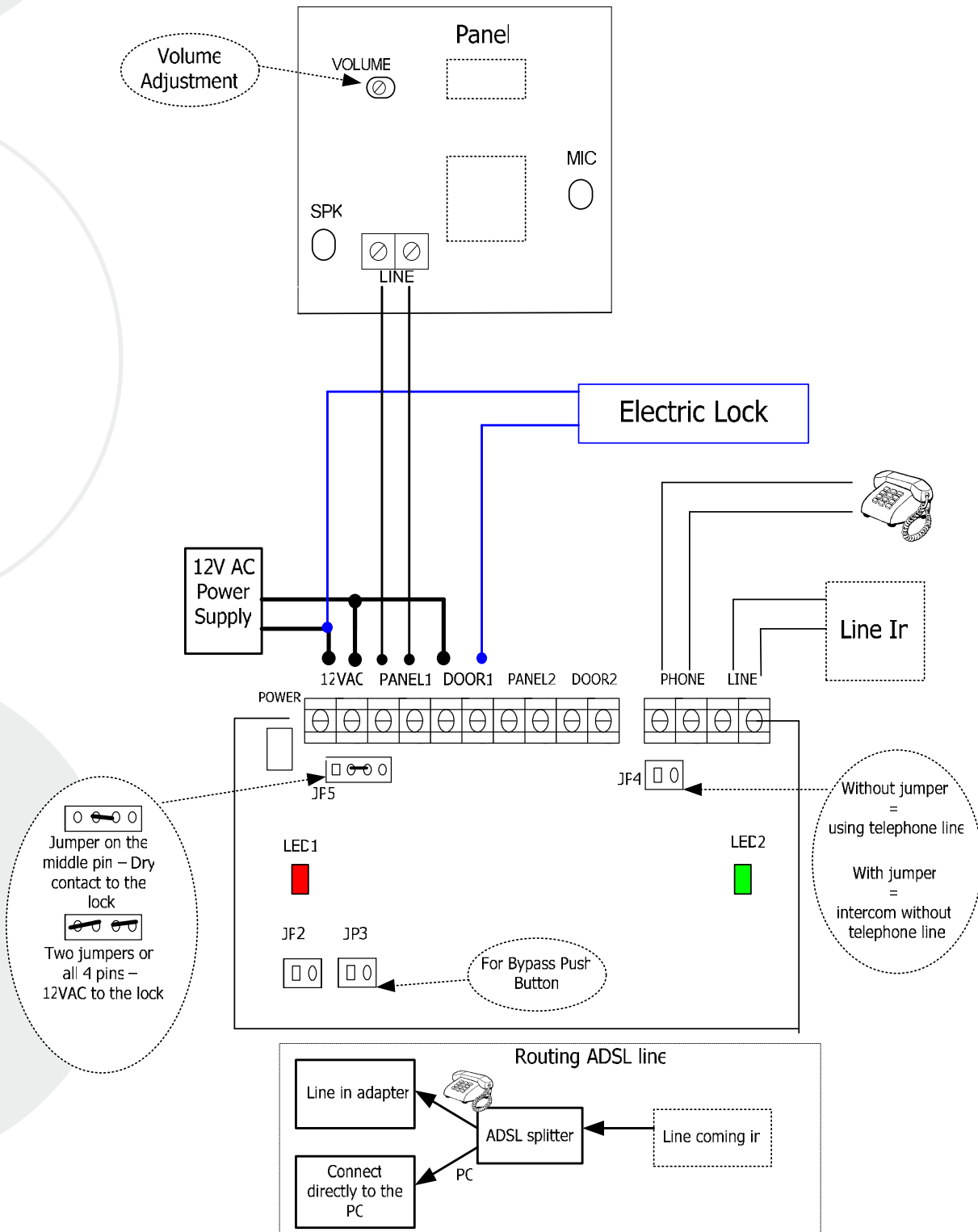
Microphone and speaker volume adjustments

The panel unit leaves the manufacturer site adjusted.

Sometimes because of the location (opened or closed space), acoustical problems occur.

If the panel's speaker sound level is too high or low, gently rotate the panel's internal SP potentiometer.

If the sound level of the panel in the telephones is too high or low, gently rotate the panel's internal MIC potentiometer.

Electrical Drawing

Panel

Volume Adjustment → VOLUME

SPK

MIC

LINE

Electric Lock

12V AC Power Supply

12VAC PANEL1 DOOR1 PANEL2 DOOR2

POWER

PHONE LINE

Line In

JP5

JF4

Without jumper = using telephone line

With jumper = intercom without telephone line

Jumper on the middle pin – Dry contact to the lock

Two jumpers or all 4 pins – 12VAC to the lock

LED1

LED2

JP2 JP3

For Bypass Push Button

Routing ADSL line

Line in adapter

ADSL splitter ← Line coming in

Connect directly to the PC

PC

Operation

Calling at the door

Press the pushbutton. A short tune will be sound, Wait for vocal answer. If authorized, the lock will buzz for 3 seconds, and you may enter.

answering a call from the gate using one of the telephones

when a ringing call is heard from the telephones (in a different rhythm than usual), pick up the handset.

If the ringing was : long Beep followed by a short one – the call is from the main door.

If the ringing was : short Beep followed by a long one – the call is from the secondary door.

Speak with the visitor. After one minute the call will be disconnected.

To open the door – press "**1**". The lock will be released for 3 seconds.

To disconnect the call with out opening the door - press "**0**".

answering a call from the gate while speaking in the telephone

if a signal is heard in the handset while speaking in it.

Answer the call by pressing on "**7**" and then "***"". The telephone call will be held on with background music.

Speak with the visitor, identify from which gate the call is coming from.

To open the door – press "**1**". The telephone conversation will be back to you.

To return to the telephone call with out opening the door - press "**0**".

Calling the panel from the house

Pick up the handset. Press on "**7**" and then "***". To switch between the doors press "***".

Speak with the visitor .

To open the door – press "**1**". The lock will be released for 3 seconds. And the call will be disconnected.

To disconnect the call with out opening the door - press "**0**".

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