CTC electronic

WF-204 User Manual

CONTENTS

Product Description

This audio intercom system can be used to call, intercom and unlock. It also can be applied to monitor outside, users can hear the sound outside when monitoring.It is a product that is very suitable for villa, single house, hotel and office etc, giving you the combined benefit of security and convenience.

Features

1. No radiation, low power consumption.
2. Waterproof, anti-explosion, anti-oxidation and durable metal alloy panel outdoor unit.
3. Electric lock release function.
4. Outdoor gate lock release function.
5. Monitoring outside, you can hear the sound outside when monitoring.
6. Talking volume adjustable.
7. Two-wire non-polarity twisted pair connection.
8. The indoor unit can be hung on the wall.
9. There are 8 pieces of chord melodies for you to choose.
10. Inner call function.
11. Reconfirmation doorbell can be connected.
12. Main unit or sub unit select function.
13. Room number editable.

Cautions

1. Do not squeeze, crash or drop the products.
2. Do not install the indoor unit in high temperature or high humidity environment.
3. Use the products under the circumstance of barrier-free and no interference.
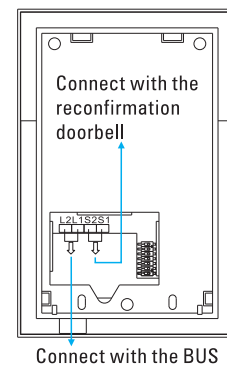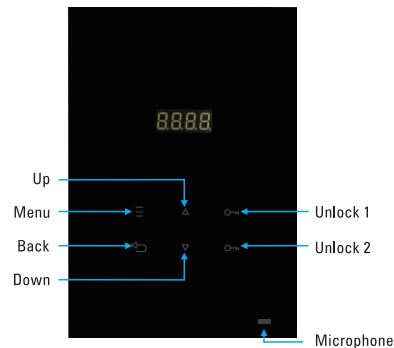4. To avoid damages, please install this device on the wall according to the instruction.

Installation Instruction

Indoor unit

1.Use 3*20PA screws to fix the bracket on the wall.
2.Hang the indoor unit on the bracket after finish wire connection, and then connect the enclosed two-core twisted pair cable with the power socket of the indoor unit.

Bracket

①   ②
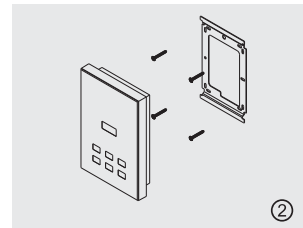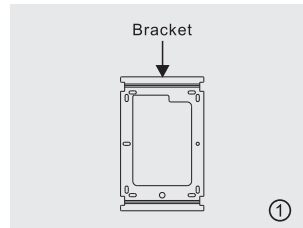
Function Keys Instruction

Up

Menu

Back

Down

Unlock 1

Unlock 2

Microphone

Connect with the reconfirmation doorbell

L2 L1 S2 S1

Connect with the BUS

Connecting ports instruction
1.BUS connecting port: connect with the two-core BUS
2.J4 slide switch: Bit 1-5: Room number setting; Bit 6: Video matching switch; Bit 7: Main unit and sub unit setting;
3.Reconfirmation doorbell connecting port: Connect with the normally open switch of the reconfirmation doorbell, press the doorbell button and the reconfirmation doorbell will ring.
Note: When there are video door phone and audio door phone installed in the same household, the video machine and the audio machine cannot be connected to the same splitter.

Operation Instruction

1). Call, intercom and unlock
Press the room number button on the outdoor unit, the indoor unit will ring and it will hang up automatically if the call is not answered in 30 seconds. Press the MENU button on the indoor unit to intercom with the visitor, when it is on talking state, press the BACK button to hang up. When there are two or more indoor units, other indoor units will enter busy state when one indoor unit is on talking state. Press the UNLOCK 1 button to release the lock; press the UNLOCK 2 button to release another lock if two locks are connected to the system.

2). Monitoring
Outdoor unit number not set yet: Press and hold the MENU button for about 2 seconds, a scrolling message "User Set-" will be shown on the LED screen, press the MENU button for 6 times, the outdoor unit number setting menu "6-0x"(x=1~4, x means the number of the outdoor unit) will be shown on the LED screen, then press the UP/DOWN button to select the number of the outdoor unit, press the BACK button to exit after finishing setting. Then press the MENU button on standby status, a scrolling message "User Set-" will be shown on the LED screen, press the UP/DOWN button to select the outdoor unit number "ds-x" (x=1~4, which means the corresponding outdoor unit number) you want to monitor, and then press the MENU button to start monitoring the relative outdoor unit, you can hear the sound outside while monitoring. press the BACK button to exit monitoring state.
Outdoor unit number already set: Press the MENU button once on standby status, a scrolling message "User Set-" will be shown on the LED screen, and then press the UP/DOWN button to select the outdoor unit number "ds-x" (x=1~4, which means the corresponding outdoor unit number) you want to monitor, and then press the MENU button to start monitoring the relative outdoor unit, you can hear the sound outside while monitoring., press the BACK button to exit monitoring state.

3). Intercom with neighbor households
Indoor unit number not set yet: Under standby status, press and hold the MENU button forabout 2 seconds, a scrolling message "User Set-" will be shown on the LED screen, press the MENU button for 7 times, the indoor unit number setting menu "7-0X"(X=1~32, X means the number of the indoor unit) will be shown on the LED, then press the UP/DOWN button to select the number of the indoor unit, press the BACK button to exit after finishing setting. Then press the MENU button once on standby status, a scrolling message "User Set-" will be shown on the LED screen, press the UP/DOWN button to select the indoor unit number "C-XX" (XX=01~32, which means the corresponding indoor unit number) you want to intercom with, and then press the MENU button to start calling the corresponding indoor unit, press the BACK button to exit after finish intercom.Indoor unit number already set: Press the MENU button once on standby status, a scrolling message "User Set-" will be shown on the LED screen, press the UP/DOWN button to select the indoor unit number "C-XX" (XX=01~32, which means the corresponding room indoor unit number) you want to intercom with, and then press the MENU button to start calling the corresponding indoor unit, press the BACK button to exit after finish intercom.

4) Inner call
On standby status, press the MENU button once, a scrolling message "User Set-" will be shown on the LED screen, press the UP/DOWN button to select the inner call menu "-ALL" and then press the MENU button to enter inner call status, all the indoor units that connected to the system will ring at the same time, all the other indoor units will stop ringing when one of the indoor units answer the call. (Note: All the indoor units' addresses must be set the same with each other to activate the inner call function.)

5) Setting
On standby status, press and hold the MENU button for 2 seconds, scrolling message "User Set-" will be shown on the LED screen, then press the MENU button to select the mode you want to set, and then press the UP/DOWN to select the parameters. Press the MENU button to enter next setting one, press the BACK button to exit the menu.

| Setting Mode	Led Status	Instruction	Default value
Outdoor Unit Ringtone Setting	1-xx	Set the calling ringtones. There are 8 pieces of ringtones for option (xx=01~08), press the UP/DOWN button to select the ringtone, settings will take effect immediately.	02
Inner Call Ringtone Setting	2-xx	Set the inner call ringtones. There are 8 pieces of ringtones for option (xx=01~08), press the UP/DOWN button to select the ringtone, settings will take effect immediately.	08
The Reconfirmation Doorbell Ringtone Setting	3-xx	Set the reconfirmation doorbell's ringtone. There are 8 pieces of ringtones for option (xx=01~08), press the UP/DOWN button to select the ringtone, settings will take effect immediately.	02
Ringtone Volume Setting	4-xx	The volume can be set from 0 to 9, press the UP/DOWN button to select the volume, settings will take effect immediately.	6
Talking Volume Setting	5-xx	The volume can be set from 0 to 9, press the UP/DOWN button to select the volume, settings will take effect immediately.	6
Outdoor Unit Number Setting	6-0x	Max 4 outdoor units for option, press the UP/DOWN button to select the setting, settings will take effect immediately. Set the outdoor unit that can be monitored by the indoor unit, which is corresponding to the monitoring function on the second part of the operation instruction.	1
Indoor Unit Number Setting	7-xx	Max 32 indoor units can be set, press the UP/DOWN button to select the setting, settings will take effect immediately. Set the indoor unit with the call and intercom function between neighbor households, which is corresponding to the call and intercom between households function on the second part of the operation instruction.	04
Main Unit and Sub Unit Setting	8-dx	0 is the main unit and 1-3 are sub units,press the UP/DOWN button to select the setting, settings will take effect immediately.	0
Factory Default	9-FS	All the user data will be covered when choosing factory default, select "9-FS" and press the UP button , the led will show "yES-" and then press the UP button again, the led will show "SUCC", which means the factory default setting is finished.	-

Address setting

If there is only one indoor unit in each household, the indoor unit should set a unique address. There are 32 addresses can be set in total.
Please refer to the following chart for the setting method:

Switch setting status	Corresponding Room number	Switch setting status	Corresponding Room number
1 2 3 4 5 6 7	Room number 01	1 2 3 4 5 6 7	Room number 17
1 2 3 4 5 6 7	Room number 02	1 2 3 4 5 6 7	Room number 18
1 2 3 4 5 6 7	Room number 03	1 2 3 4 5 6 7	Room number 19
1 2 3 4 5 6 7	Room number 04	1 2 3 4 5 6 7	Room number 20
1 2 3 4 5 6 7	Room number 05	1 2 3 4 5 6 7	Room number 21
1 2 3 4 5 6 7	Room number 06	1 2 3 4 5 6 7	Room number 22
1 2 3 4 5 6 7	Room number 07	1 2 3 4 5 6 7	Room number 23
1 2 3 4 5 6 7	Room number 08	1 2 3 4 5 6 7	Room number 24
1 2 3 4 5 6 7	Room number 09	1 2 3 4 5 6 7	Room number 25
1 2 3 4 5 6 7	Room number 10	1 2 3 4 5 6 7	Room number 26
1 2 3 4 5 6 7	Room number 11	1 2 3 4 5 6 7	Room number 27
1 2 3 4 5 6 7	Room number 12	1 2 3 4 5 6 7	Room number 28
1 2 3 4 5 6 7	Room number 13	1 2 3 4 5 6 7	Room number 29
1 2 3 4 5 6 7	Room number 14	1 2 3 4 5 6 7	Room number 30
1 2 3 4 5 6 7	Room number 15	1 2 3 4 5 6 7	Room number 31
1 2 3 4 5 6 7	Room number 16	1 2 3 4 5 6 7	Room number 32

Video matching selection

If the indoor unit is on the BUS terminal, then its video matching switch (bit 6 of the J3 slide switch) should be set to ON,
otherwise it should be set to OFF.

System Connection

J4 bit-6:ON
J4 bit-6:OFF
J4 bit-6:OFF
K1 DIP-1=ON
617-2DPS
POW5
100~240AC
ID=00

1.No splitters
Note:
1.The video matching switch setting of the WF-724 is as the J4 slide switch bit-6 shows above, and for the video door phone's video matching switch setting, please see the K1 slide switch bit 1 setting shows in the above diagram. (Note: The video matching switch should be set to ON if the device is connected at the end of the BUS, otherwise, the switch should be set to OFF.)
2.Main unit and sub unit setting of the WF-724: Please refer to the operation instruction. For the video door phone's setting, please refer to the relative user manual for instructions. (Note: Only one main unit can be set in one household.)

J4 bit-6:ON
J4 bit-6:ON
J4 bit-6:ON
K1 DIP-1=ON
617-2D4
617-2DPS
POW5
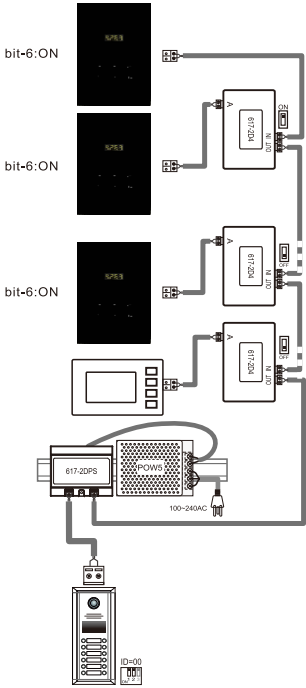100~240AC
ID=00

2.One-way output splitters 617-2D4
Note:
1.The video matching switch setting of the WF-724 is as the J4 slide switch bit-6 shows above, and for the video door phone's video matching switch setting, please see the K1 slide switch bit 1 setting shows in the above diagram.
2.Main unit and sub unit setting of the WF-724: Please refer to the operation instruction. For the video door phone's setting, please refer to the relative user manual for instructions. (Note: Only one main unit can be set in one household.)
3.The setting of the 617-2D4 splitter that connected to the WF-724 is as below:

OFF,OFF,ON   Set the potentiometer as the following picture shows:
1 2 3   503

4.For the setting of the 617-2D4 that connected to the video door phone, please refer to the two-wire building system user manual.

3.Star wiring, four-way output splitters 617-2D4
Note:
1.When there are video door phone and audio door phone connected to the same system in one household, they cannot be connected to the same one splitter.
2.The video matching switch setting of the WF-724is as the Bit 6 of the J4 slide switch shows above, and for the video door phone's video matching switch setting, please sees the bit 1 of the K1 slide switch setting shows in the above diagram.
3.Main unit and sub unit setting of the WF-724: Please refer to the operation instruction. For the video door phone's setting, please refer to the relative user manual for instructions. (Note: Only one main unit can be set in one household.)
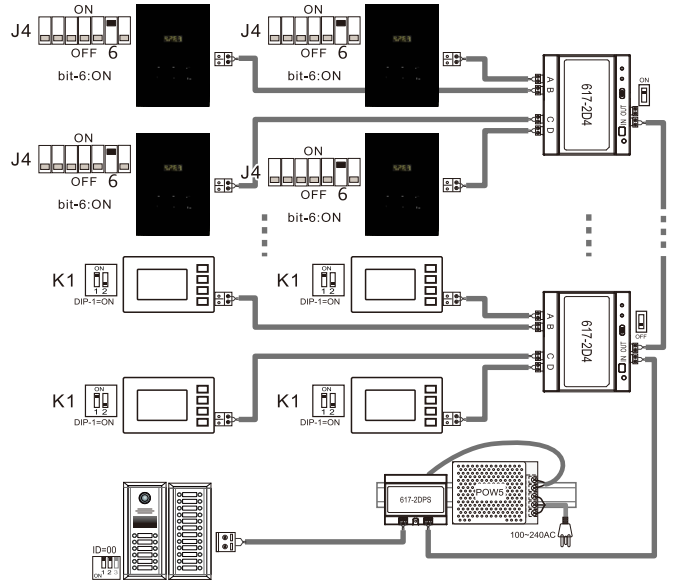4.Please set the slide switch of the 617-2D4 splitters that connected with the audio door phone as below:
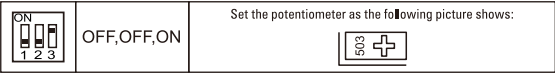
OFF,OFF,ON   Set the potentiometer as the following picture shows:
1 2 3   503

5.For the setting of the 617-2D4 that connected to the video door phone, please refer to the two-wire building system user manual.

J4 bit-6:ON   J4 bit-6:ON
J4 bit-6:ON   J4 bit-6:ON
K1 DIP-1=ON   K1 DIP-1=ON
K1 DIP-1=ON   K1 DIP-1=ON
617-2D4
617-2D4
617-2DPS POW5 100~240AC
ID=00

Technical Parameters

Monitoring time	30S±10%	Talking time	60S or 120S±10%
Working temperature	-10℃~+40℃	Relative humidity	10%~90%(RH)
Outline size	180mm(W)×120mm(H)×35mm(D)		
Power consumption	Standby＜0.75W, working＜4W		
Connection	Two-wire non-polarity connection		

Trouble Shooting

Problems	Solutions
Power indicator light not ON after power on	• Please check whether the connection is secure and properly connected.
No audio when calling	• Make sure the volume notch on the indoor unit is turned up. • Make sure there is nothing interfering with the speaker or microphone on the indoor unit or the camera. • Make sure all the connections are secure and properly connected.
The outdoor unit cannot call the indoor one	• Make sure all the connections are secure and properly connected. • Make sure the indoor unit's address are correctly set. • Make sure there is only one indoor main unit.
Door Unlock not Functioning	• Make sure the connections with the locks are secure and properly connected. • Make sure you have the lock wired to a power source which is enough to make it operate.
Both the indoor and outdoor unit cannot hear any sounds when monitoring and intercom not functioning	• Press the TALK button for two-way intercom Since simply press the MONITOR button does not activate the intercom function yet. • Make sure all the connections are secure and properly connected