KENWEI

VIDEO DOOR PHONE INDOOR MONITOR
7" COLOR TFT TOUCH BUTTON
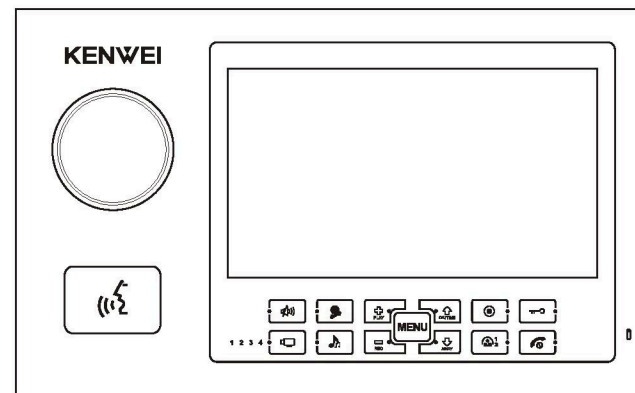
☐ S701C
☐ S701C-W32
☐ S701C-W64
☐ S701C-W200

CE FC UL R&TTE RoHS
ISO14001 OHSAS18001

Contents

Thank you for purchasing our product of building intercom system series. Please read the instructions carefully and follow the directions before installing the products. Any problem regarding to the product, please inquire your supplier.

General features:

- ➤ Monitor and remote unlock
- ➤ Kinds of chord ring and dingdong sound (optional) with clear tone.
- ➤ 16:9 screen, enrich your vision
- ➤ Color, brightness and contrast etc adjustable
- ➤ No bother (mute) function
- ➤ Color or B&W image memory (optional)

- ➤ Color image can be recorded in SD card (up to 2G) optional
- ➤ Touch button
- ➤ 2 CCTV cameras connectable
- ➤ One way audio & video output
- ➤ Connection terminals of outdoor camera(s) & CCTV camera(s) are lightningproof
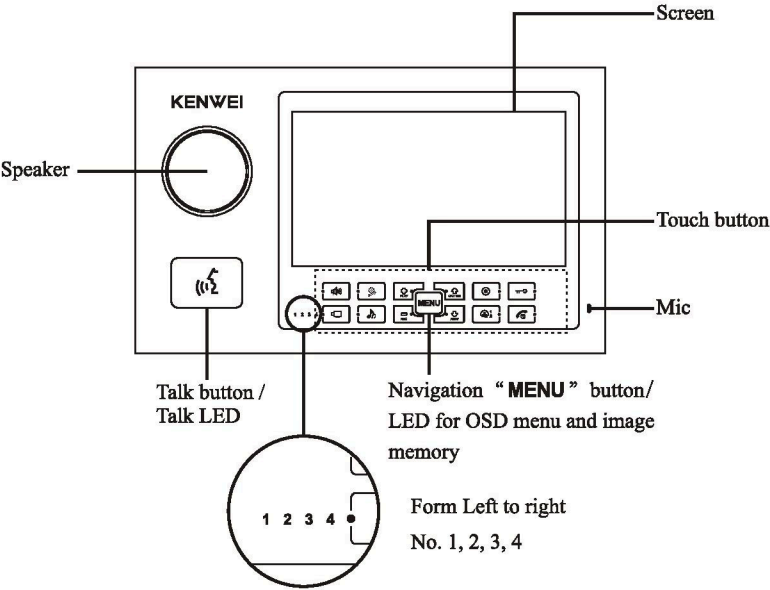- ➤ Talk volume adjustable

CAUTION: To avoid the risk of electric shock, please don't remove cover or back. Please ask professional person if maintenance needed.

Remind users that important operation and maintenance guide are included in the attached user's manual.

Remark

* **KENWEI** reserves the right to change or modify design, features, functions and specifications without any prior notice for the improvement and promotion of products' quality.
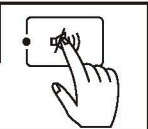
Screen

KENWEI

Speaker

Touch button

Mic

Talk button / Talk LED

Navigation "**MENU**" button/ LED for OSD menu and image memory

1 2 3 4

Form Left to right

No. 1, 2, 3, 4

Touch button
Left to right from the first line:

1. "🔊" No bother LED / No bother / volume adjustment button
2. "⚙" Setup LED / Setup button
3. "⬆ PLAY" (play)
4. "⬆ OK/TIME" (ok/time)
5. "◉" Intercom LED / Intercom
6. "⚊o" Unlock LED / Unlock button

Left to right from the second line

1. "▭" CCTV camera monitor LED / CCTV camera monitor button
2. "♪" Call ring selection LED / Call ring selection button
3. "▭ REC" (record)
4. "⬇ AWAY" (away)
5. "☎₁₂" Door 1 / 2 LED / Monitor button
6. "☎" Exit / Power button / Power LED

Remark

When operating the unit, please touch the center of button (as the right picture shows)

🔊

RESET ○

Reset

KENWEI

⚠ CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

VD-R ON OFF

VD-R ON OFF
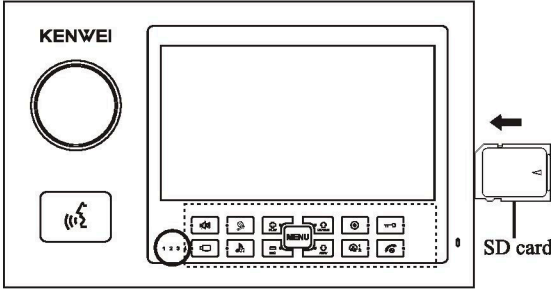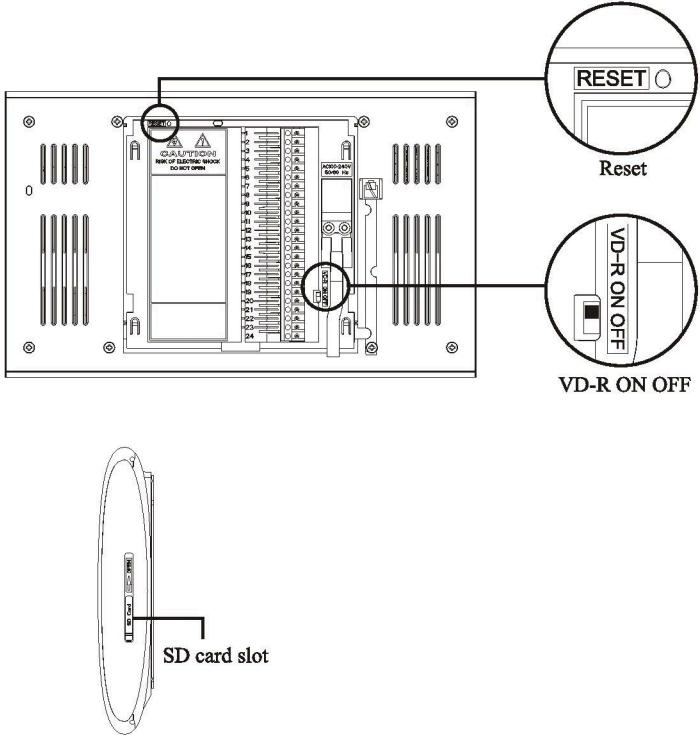
SD card

SD card slot

SD Card installation and retrieve: as the picture shows, press the SD card slot to set or pull out SD card.

1. Power ON/OFF

a. Power on

After connecting to the power supply, the unit will enter into standby mode automatically, the power LED light on (red)

When the unit is under OFF status, touch " 📞 " button (Pic. 1), it will sound "DI" and enter into the standby mode, meanwhile, the power LED light on.

b. Power off

When the unit is under standby mode, hold " 📞 " button (Pic. 1) until the unit sound "DI" and the power LED off, then the unit will enter into OFF status.
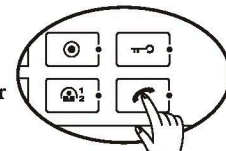
2. Call remind

When outdoor camera call indoor monitor, the indoor monitor will display the image automatically, meanwhile Door1/2 LED light (door 1 red light, door 2 green light). It will show the relevant outdoor number on the left side of buttons.

Pic. 1

3. Talk/stop

a. Talk (when the outdoor unit calls in)

Press " 📞 " (Pic. 2) to enter into the talking status
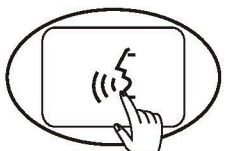
b. Monitor to talk

Under monitor mode, press " 📞 " (Pic. 2) to enter into the talking status.

c. Switch standby to talk (Only available for the talk between indoor monitor and door 1)

Under standby mode, press " 📞 " (Pic. 2) to enter into the talking status.

d. Stop

During talking, touch " 📞 " (Pic. 1) or " 📞 " (Pic. 2) to stop and back to standby mode, or it will be off automatically after 90s.
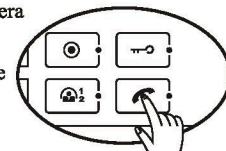
Pic. 2

4. Open the door

a. During talking, touch " 🔓 " (Pic. 3) to open the door. This function is invalid when indoor monitor is under monitor status. (outdoor camera should be equipped with an electronic lock).

b. During talking, touch " 🔓 " (Pic. 3) and the system will be under unlock status for 3s; if you held the " 🔓 " (Pic. 3) , and system will be under unlock status up to 8s
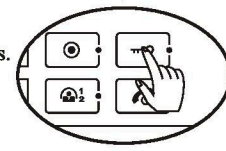
Pic. 1

5. Monitor Door 1 / 2 / Exit

a. Under standby mode, touch " 📷 " (Pic. 4) to monitor Door 1, its relevant LED turns on.

(under monitor mode, only could see the outdoor image without voice, and cannot open the door). the monitor mode could be last up to 90s.

b. Under monitor Door 1 mode, touch " 📷 " (Pic. 4) to monitor Door 2, its relevant LED turns on.

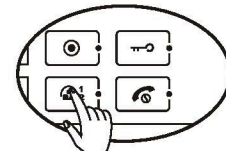c. Under monitor mode, touch " 📞 " (Pic. 1) to back to standby mode.

Pic. 3

6. Monitor CCTV camera

a. Under standby mode, touch " 🖵 " (Pic. 5) to monitor CCTV 1, the relevant LED turns on.

b. Under monitor CCTV 1 mode, touch " 🖵 " (Pic. 5) to monitor CCTV 2, the relevant LED turns on.

c. Under monitor CCTV mode, touch " 📞 " (Pic. 1) to exit this mode and back to standby mode. Or after 90s it will automatically exit.
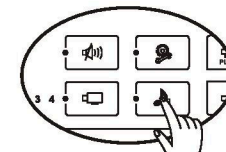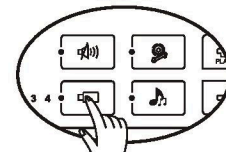
Pic. 4

7. Call ring select

Under standby mode, touch " 🎵 " (Pic. 6) to sound the current call ring. The ring is different by touching " 🎵 " (Pic. 6) each time. Touch " 📞 " (Pic. 1) to save it or after 30s it will auto save and exit.

(The ring you select is for Door 1, the next one would be default to Door 2)

Pic. 6   Pic. 5

8. Ring volume adjust

When the unit is under call ring selection mode, touch " 📢 " (Pic. 7) to adjust the ring volume.

9. Button volume adjust

Under standby mode, touch " 📢 " (Pic. 7) to adjust the button volume

10. No bother function

a. Under standby mode, touch " 📢 " (Pic. 7) for 2s, the unit will sound "DI" to enter into No bother status, the relevant LED lights on. When the outdoor camera calls in, it will only display its image without ringing.

b. Under standby and no bother mode, hold " 📢 " (Pic. 7) until no bother LED turns off, and sound "DI DI", to exit No bother function.
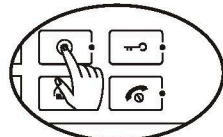
11. Intercom (suitable for more than 1 indoor monitor)

a. When there are 2 indoor monitors, under standby mode, touch " ◉ " (Pic. 8) of monitor A, the relevant LED lights on, then press " ((ϟ " (Pic. 2) to call monitor B.

b. When there are more than 2 indoor monitors, if monitor A want to call monitor B, touch " ◉ " (Pic. 8) of monitor A to choose the relevant number on the left side of button (the number means each monitor's number), then press " ((ϟ " (Pic. 2) to call monitor B. (for example, monitor B's number is 3, so you touch " ◉ " (Pic. 8) until you see Number 3 on the left side of buttons, then press " ((ϟ " (Pic. 2) to call)

Remark: During operation of step a / b, each time touching " ◉ " (Pic. 8) you have 4s to do the next step. Means, if you don't touch " ◉ " / " ((ϟ " within 4s, or you touch other button except these two button, the above operation would be failed.

c. When monitor A calls in monitor B, only monitor B could could press " ((ϟ " (Pic. 2) to start talking. And monitor A's room number will be displayed on monitor B. During talking, talk LED lights on, but without picture.

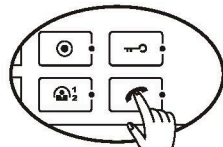d. During calling, both of monitors could be touched " 📞 " (Pic. 1) 2s to stop this calling.
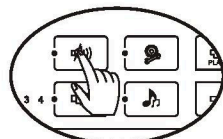
Pic. 7

Pic. 8

Pic. 2

Pic. 1

12. Outdoor camera call transfer (suitable for more than 1 indoor monitor)

When outdoor camera calls in, touch " ((ϟ " (Pic. 2) to connect the call. If you need transfer the call to another monitor, do the same operation of intercom.

After successful transferring, only that be called monitor could be ringing, others enter into busy mode.

13. Room number indication

a. Under standby mode, touch and hold " ◉ " (Pic. 8) till the relevant LED turns on, then release " ◉ " (Pic. 8) to check the room number. The lighting number LED indicates the relevant room.

b. It will sound DU under the above operation if this monitor's room number is not successfully set, and will not show the relevant number.

14. Away mode setup (only suitable for with image memory function)

Under standby mode, touch " 🔄 AWAY " (Pic. 9) to turn on away management mode, and away LED lights on.

The away management mode is default to close when on the unit each time.

When turn on away management mode, the unit will automatically record visitor's picture if nobody answer the call after 10s. But if somebody answer the call within 7s, the unit will not record the picture automatically.

15. Exit away mode

Under standby mode, touch " 🔄 AWAY " (Pic. 9) to exit away mode and the away LED turns off.

When outdoor camera calls in, the unit will not record the outdoor image automatically.

16. Busy status (suitable for more than 1 indoor monitor)

a. When one of monitors is under monitor or talk mode, other monitors will enter into busy status.

b. When 2 monitors are under intercom status, other monitors will enter into busy status. After intercom, these monitors will come back to standby mode.

Remark: the monitors under busy status, only call ring select, ring volume control and monitor CCTV camera these function could be operated.
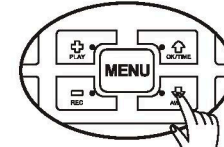
Pic. 2
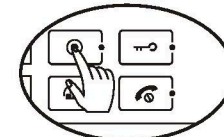
Pic. 8

Pic. 9

17. Visitor call remind

  a. Under standby, monitor, intercom status, when outdoor camera calls in, both indoor and outdoor units will start to ring.

  b. When the monitor is talking with door 1, if door 2 calls in, the monitor will sound "DI DI DI" at intervals, which remind there is a calling outside.

Pic. 4

18. Alarm for room number confliction (suitable for more than 1 indoor monitor)

    When monitor A has the same room number of monitor B, it will sound "DI" at intervals. So one of monitors need change room number.

19. Alarm for communication problems (suitable for more than 1 indoor monitor)

    If the indoor monitor sound "DI DI" very 3s, that means this monitor has communication problem with main indoor monitor. Please check the connection line, or check if the main indoor monitor is ON.

    After solving the problem, touch " 🖼 " (Pic. 4) or " 🔊 " (Pic. 2) to connect with outdoor camera to close alarm.
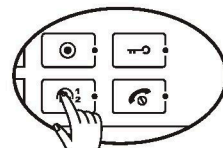

Pic. 2

20. Navigation button

    Under monitor, talk mode, the navigation button is default to OSD menu. Press " MENU " button (Pic. 10) to switch the function between OSD menu and image memory.

    When the button switch to OSD menu, the green LED lights on.

    When the button switch to image memory, the red LED lights on.
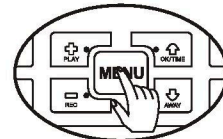

Pic. 10

21. Extension function (option)

    When outdoor camera calls in, the extension port K will be triggered for 3s.

Special function

If the system is properly working, please don't set and initialize the room number. Otherwise, it will make some trouble to the system.

1. Room number initialization

    If the system can't properly work after all the units connecting with each other very well, please initialize all of the indoor monitors.

a. Off the units, press and hold " MENU " button (Pic. 10) then On the unit. Then it will sound "DI" and menu LED flashes 3 times, the unit sound "DU".

b. One key initialization

    Under standby mode, press and hold " MENU " button (Pic. 8) unit the unit sound "DI " (about 7s), then release the button, menu LED flashes 3 times and sound "DU". (If you release this button after the unit sound "DI DI", then the initialization fail.)

c. Reset

    Under standby mode, press " RESET " hole about 2s, menu LED flashes 3 times and sound "DU", then initialization succeed.


Pic. 10

RESET
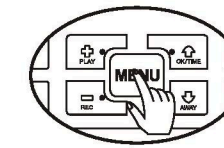
2. Room number setup automatically

a. When the system have 1 or 2 indoor monitor, initialize the monitor, and calls from outdoor. Then the room number well setup.

b. When the system have more than 2 indoor monitors, initialize the monitors, then connect the power of main monitor and sub monitor A (which you want to set its number in No.2), then calls from outdoor. Then connect the sub monitor B (No.3) and calls from outdoor. Same operation of other monitors. Then all of monitors' room number well setup.

3. Room number setup manually (suitable for more than 1 indoor monitor)

After automatically setup the room number, if you want to change one of monitor's number, do as follow:

a. Touch and hold " 🐾 " till it sound "DI", setup LED and number LED light on. (if this monitor hasn't setup the room number before, the number LED will not light on)

b. Touch " ⊕ " and " ▭ " to choose the room number, and the relevant LED lights on.

c. After well setup, press "MENU" button to reserve and exit.

Remark: under setup mode, each time touch " ⊕ " and " ▭ " , you have 4s to operate the next step. If you don't operate, the unit will come back to standby mode, the relevant LED turn off.

Instruction for B&W image memory

The unit with B&W image memory, have following function:

1. Record

It can record the picture with time max. to 64pcs.

2. Review

Under monitor or talk mode, you can review the recorded picture.

3. Auto off

Under reviewing mode, if you don't operate with any button, it will automatically exit over 10s.

4. Time display and edit

During operation with image memory function, you can see the time and edit. (under normal monitor mode, time will not be display.)

5. Away management

Under away management mode, the unit will automatically record one picture for each calling.

Operation for B&W image memory

a. When the unit is under away management mode, each time calling, the system will record one picture.

Under monitor mode, press "MENU" button to switch to image memory mode, then touch " ⊕ " to review the recorded picture.
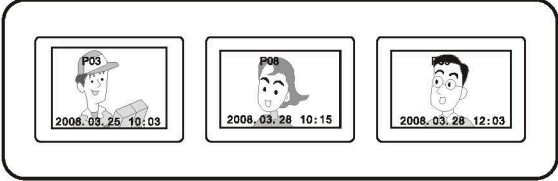
b. Under monitor mode, switch "MENU" button to image memory mode, then touch " ▭ " to record the picture with time, max. to 32 or 64pcs picture.

The system will cover the oldest picture after the picture over 32 or 64pcs.
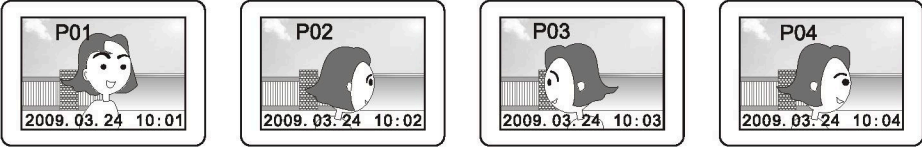
c. Under monitor mode, switch "MENU" button to image memory mode, then touch " ⊕ " to choose the date or time you need edit, touch " ⊕ " to edit the item you choose. Touch " ⌂ " to exit this mode.

Remark: after power off, the recorded picture or time would be lost.

Instruction and operation for COLOR image memory

The unit with COLOR image memory, have following function:

1. Color memory

This unit have color image memory record and review function. The recorded picture and time would not be lost even power off.

2. Record automatically

When the system is under away management mode, it will record one picture for each calling.
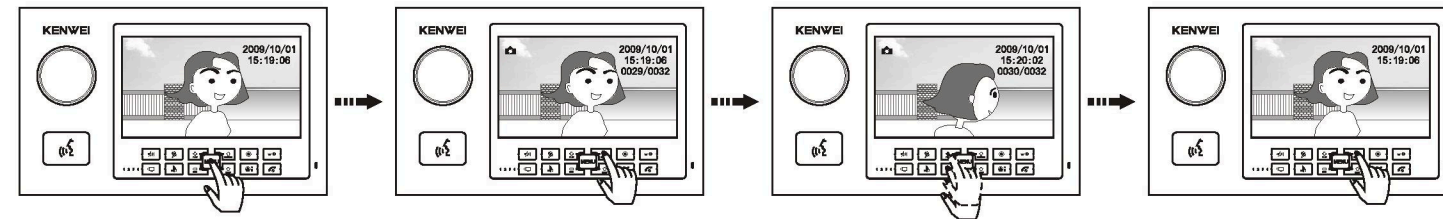
3. Record manually

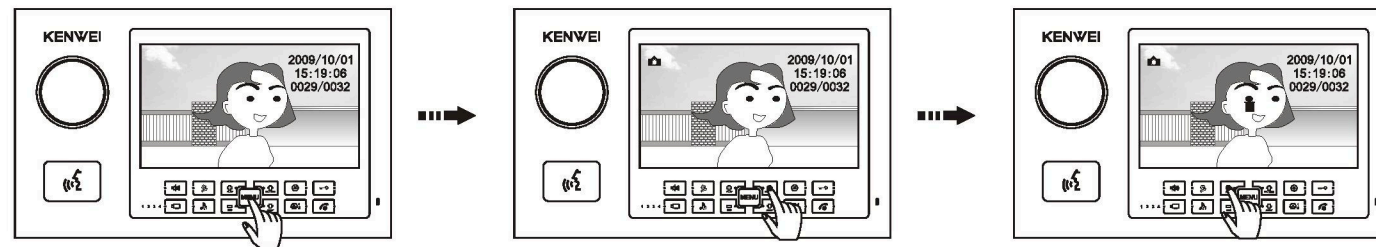During talking, press "MENU" button to switch to image memory mode, then touch "REC" to record picture.
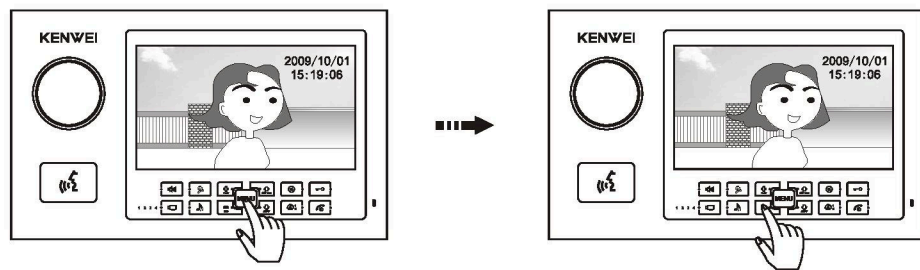
4. Review

Under monitor mode, press "MENU" button to switch to image memory mode. When you see the time on the top right corner of screen, then touch "OK/TIME" to enter into review mode, touch "REC" to review the previous picture, touch "PLAY" to review the next picture, touch "OK/TIME" to exit this mode.

5. Delete

Under review mode, touch "PLAY" 3s to delete the current picture.

6. Video record function

This unit have color video record and review function, each video lasts 10s with AVI format. The recorded video would not be lost even power off.

7. Video record

On the screen, press "MENU" button to switch to image memory mode. After you see the time display on the top right corner of screen, touch " 📷 " to record the video with 10s.
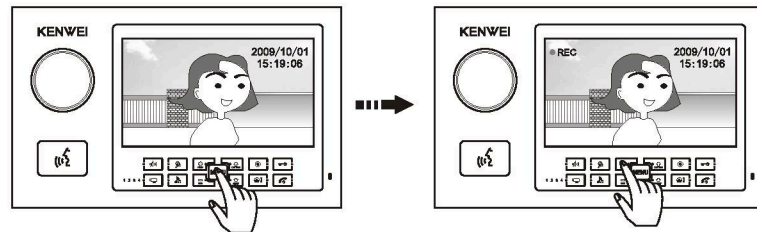
Remark: During recording, the navigation button of image memory is invalid (except "MENU" button)

8. Video review

Under monitor mode, press "MENU" to switch to image memory mode. When you see the time display on the top right corner of screen, touch " 🔼 " to enter into video review mode.
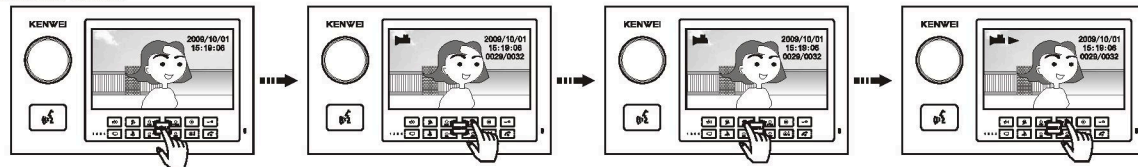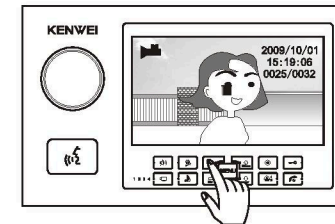

Remark: During reviewing, the navigation button of image memory is invalid.

16

9. Video delete

Under video reviewing mode, touch " 📷 " 3s to delete the current video.

10. Time edit

Under monitor mode, press "MENU" to switch to image memory mode. When you see the time display on the top right corner of screen, touch " 🔼 " 3-4s you will see the setup interface. Touch " 📷 " and " 🔳 " to choose the item, touch " 🔼 " to enter into time edit mode.

During time setting, touch " 📷 " and " 🔳 " to edit time and date, touch " 🔼 " to confirm and turn to next item. After setup, it will automatically exit this mode.

17
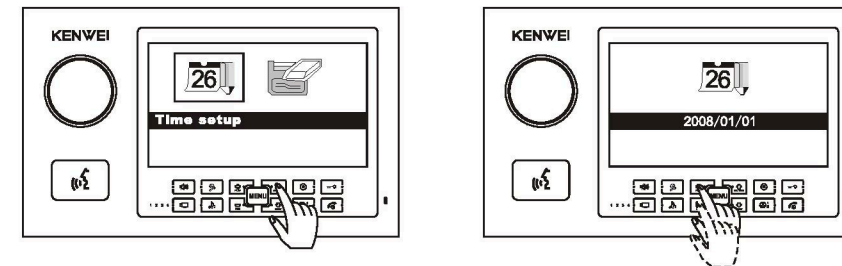
11. Format memory and SD card

Under monitor mode, press "MENU" to switch to image memory mode, when you see the time display on the top right corner of screen, touch "OK/TIME" 3-4s you will see menu setup interface. Then touch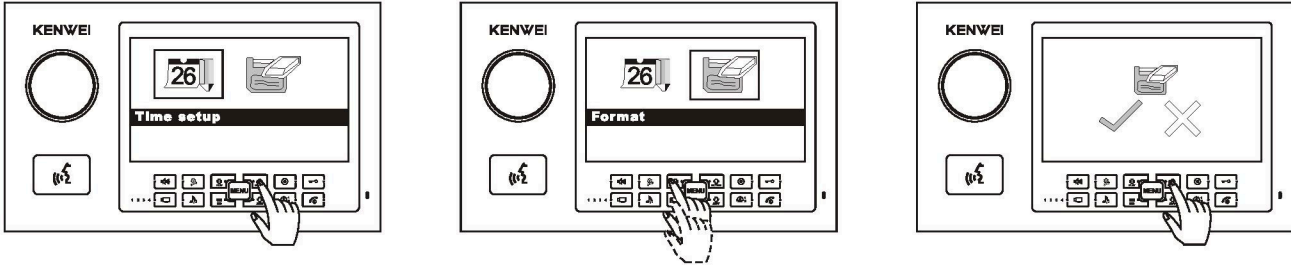 "PLAY" and "REC" to choose the item, touch "OK/TIME" to enter into formatting interface, touch "PLAY" and "REC" to choose Yes or No, touch "OK/TIME" to confirm.


Remark:

1. First operation, please format SD card / memory.

2. During operation of color image memory, don't take out SD card. After power off, the recorded time would be lost within 7 days.

Instruction of LED status

1.Power supply LED light: the unit is in ON status

2.Door 1 LED light: Door 1 is under operation status

3.Door 2 LED light: Door 2 is under operation status

4.Talk LED light: The unit is under talk status

5.Away LED light: The unit is under away management status

6.Door 1 LED light & talk LED flash: Door 1 is calling

7.Door 2 LED light & talk LED flash: Door 2 is calling

8.Setting LED light: The unit is under setting status

9.Intercom LED light: The unit is able to call other monitor or transfer the call to others

Instruction of voice status

1."DI" at intervals: 2 monitors with same room number

2."DI DI" at intervals: indoor monitor has communication problem

3."DI DI DI " at intervals: another monitor calls in

4."DU": the system forbid to do this operation

OSD operation
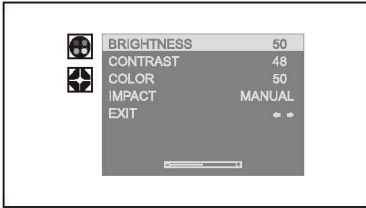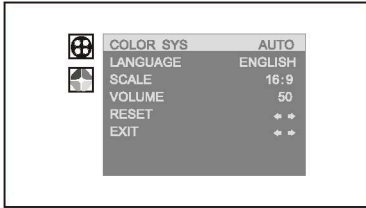
Menu A

Menu B

The "MENU" button is default to OSD menu each time you touch it. Now you can touch " ✛ PLAY " and " ▭ REC " to adjust talk volume.

Under this mode, brightness, contrast, color, etc. could be adjustable.
On the screen, switch "MENU" to OSD menu. Then touch " ⚙ AWAY " to open Menu A, touch " ⚙ AWAY " to choose the item you need adjust. Exit Menu A, touch " ⚙ AWAY " to open Menu B.

1. Brightness, color and contrast adjust
   Under OSD mode, touch "MENU" to open Menu A, touch " ⚙ AWAY " to choose brightness, color or contrast, then touch " ✛ PLAY " and " ▭ REC " to adjust its effect.

2. Picture impact setup
   Under OSD mode, touch "MENU" to open Menu A, touch " ⚙ AWAY " to choose IMPACT item. Then touch " ✛ PLAY " and " ▭ REC " to adjust the picture impact in manual, standard, soft and bright.

3. Color system setup
   Under OSD mode, touch "MENU" to open Menu A, touch " ⚙ AWAY " to choose COLOR SYS item. Then touch " ✛ PLAY " and " ▭ REC " to adjust color system in AUTO, PAL, NTSC and SECAM.

4. Adjustment language setup
   Under OSD mode, touch "MENU" to open Menu A, touch " ⚙ AWAY " to choose LANGUAGE item. Then touch " ✛ PLAY " and " ▭ REC " to adjust the language you need.

5. Picture scale setup
   Under OSD mode, touch "MENU" to open Menu B, touch " ⚙ AWAY " to choose SCALE item. Then touch " ✛ PLAY " and " ▭ REC " to adjust picture scale in 16:9 and 4:3.

6. Picture quality reset
   Under OSD mode, touch "MENU" to open Menu B, touch " ⚙ AWAY " to choose RESET item. Then touch " ✛ PLAY " and " ▭ REC " to reset the picture quality.

7. Exit OSD menu
   Under OSD mode, touch "MENU" to open Menu B, touch " ⚙ AWAY " to choose EXIT item. Then touch " ✛ PLAY " and " ▭ REC " to exit.

Problem	Possible reason	Resolving
The unit doesn't work at all, and the power LED doesn't light.	➢ The unit is not connected power. ➢ The power is off	➢ Check the adaptor is ok or not. ➢ Check if AC power cord is connected well. ➢ On the unit.
Outdoor camera cannot call in	➢ Check if the connection between indoor and outdoor units is well. ➢ Check if the main monitor is under OFF mode.	➢ Check the connection between indoor and outdoor station. ➢ On the unit.
Cannot monitor outdoor	➢ Room number haven't set. ➢ Problem with connection of outdoor camera.	➢ Set the room number manually. ➢ Check and solve the problem with connection of outdoor camera.
Continuous " DI DI" of the monitor (with more monitors)	➢ Main monitor is off. ➢ The connection between main monitor and this monitor is cut off.	➢ On the unit. ➢ Check and solve the problem of connection between main monitor and this monitor.
Discontinuous " DI" of the monitor (with more monitors)	➢ Two room number is same.	➢ Set the room number manually.
Can call well but the picture is overlapped.	➢ The last monitor's VD-R position is wrong.	➢ Dial the last monitor's VD-R to ON position. Others keep in OFF.
Can call well, but the picture is dark or distorted. (more than 2 monitors)	➢ Most of monitor's VD-R are in ON position.	➢ Dial the last monitor's VD-R to OFF position.
Outdoor cannot call in, indoor cannot monitor outdoor, and sound "DI DI" at intervals.	➢ No main monitor in the system. ➢ The main monitor is off.	➢ Initialize the indoor monitor, and setup the room number. ➢ On the unit.
When only 1 indoor monitor, outdoor cannot call, and indoor cannot monitor or talk.	➢ This indoor monitor is not the main monitor.	➢ Initialize the monitor, and setup the room number to No.1.
Outdoor can hear indoor voice, but the voice from outdoor is small.	➢ The talk volume is small.	➢ Adjust the talk volume to the best quality.

Item \ Model	S701C	S701C-W32	S701C-W64	S701C-W200
Display	7" color TFT			
Power	AC100~240 ~50Hz/60Hz 35VA or DC13. 5V/1. 5A			
Extension wiring	In series			
Communication	Hands free			
Consumption	13. 5V, 700mA (max.)	13. 5V, 750mA (max.)	13. 5V, 750mA (max.)	13. 5V, 850mA (max.)
CCTV video input	1Vp-p (75ohm)			
Audio/Video output	Video: 1Vp-p (75ohm), Audio: 400mVp-p(1K ohm)			
Ring	Music chord and Dingdong			
Wiring length and wire requirement	30m	50m	100m	In order to make sure the image quality, the distance from camera to the last sub monitor should be less than 100m.
	RVV4*0.3	RVV4*0.5	RVV4*0.75	
Operation temperature	−10℃ − +55℃			
Available extension unit	KW-128C, KW-730C, KW-125C, KW-129C, KW-112B series			
Available outdoor camera	Any KENWEI's 4 wires outdoor camera			