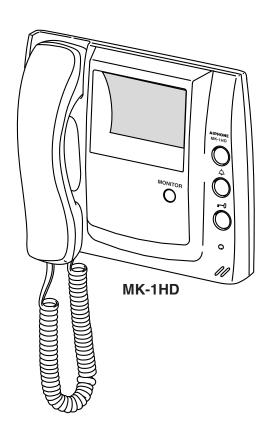


MONITOR SUB STATION MONITOR SUB STATION MONITOR SUB STATION MONITOR SUB STATION MONITOR SUB STATION

MK-1HD

INSTALLATION & OPERATION MANUAL INSTALLATION & OPERATION MANUAL INSTALLATION & OPERATION MANUAL INSTALLATION & OPERATION MANUAL INSTALLATION & OPERATION MANUAL



PRECAUTIONS \(\text{Q} \) General Prohibitions to dismantle the unit \(\text{Q} \) Prohibitions to subject the unit to water \(\text{Q} \) General Precautions Narning (Negligence could result in death or serious injury to people) WARNING (Negligence could result in death or serious injury to people)
High voltage is present internally. Do not open the case. Electric shock could result. 4. Do not install the unit in any of the following locations. Fire, electric shock or unit trouble could result. igwedge* Places under direct sunlight, or near heating equipment that varies in temperature. * Places subject to dust. oil. chemicals. * Places subject to moisture and humidity extremes, such as bathroom, cellar. Do not dismantle or alter the unit. Fire or electric shock could result.
 Do not connect any power source other than specified to terminals +,- on the unit. greenhouse, etc. * Places where the temperature is quite low, such as inside a refrigerated area or in front of air-conditioner. Fire or electric shock could result.

4. Keep the unit away from water or any other liquid. Fire or electric shock could result.

5. Do not put any metal into the unit through the openings. Fire, electric shock or unit trouble 5. Do not cover the monitor station with cloth, etc or put anything on it. Fire or unit damage could resuit. **GENERAL PRECAUTIONS** All the units, except for door station is designed for indoor use only. Do not install outdoors.
 When wall-mounted, the unit may become dusty. Clean with a soft cloth. 6. Do not put high pressure on the monitor cover. If fractured, injury could result. **CAUTION** (Negligence could result in injury to people or damage to property) . In areas where broadcasting station antennas are close by the intercom system may be affected by Before turning on power, make sure wires are not crossed or shorted. Fire or electric shock radio frequency interference. The unit case and handset may become a little warm with use, but this is not a unit malfunction. 2. When mounting the unit on wall, install the unit in a convenient location, but not where
it could be jarred or bumped. Injury could result. . If a cellular phone is used closeby, the unit may malfunction. Keep the unit more than 1m away from Radio or TV set. B. Do not install or make any wire terminations while power supply is turned on. . If the phone is operated near OA equipment, Radio or TV, they interactively influence by radio Unit trouble could result. frequency interference. Carefully select both locations for installation and operation. PRECAUTIONS (\infty General Prohibitions to dismantle the unit (\infty) Prohibitions to subject the unit to water (1) General Precautions WARNING (Negligence could result in death or serious injury to people).

High voltage is present internally. Do not open the case. Electric shock could result. WARNING (Negligence could result in death or serious injury to people) 4. Do not install the unit in any of the following locations. Fire, electric shock or unit trouble could result. Places under direct sunlight, or near heating equipment that varies in temperature. * Places subject to dust, oil, chemicals. * Places subject to moisture and humidity extremes, such as bathroom, cellar, B. Do not connect any power source other than specified to terminals +,- on the unit. greenhouse, etc. * Places where the temperature is quite low, such as inside a refrigerated area or in front of air-conditioner. Fire or electric shock could result. Keep the unit away from water or any other liquid. Fire or electric shock could result. 5. Do not cover the monitor station with cloth, etc or put anything on it. Fire or unit damage could resuit. 5. Do not put any metal into the unit through the openings. Fire, electric shock or unit trouble **GENERAL PRECAUTIONS** All the units, except for door station is designed for indoor use only. Do not install outdoors. . Do not put high pressure on the monitor cover. If fractured, injury could result. When wall-mounted, the unit may become dusty. Clean with a soft cloth. CAUTION (Negligence could result in injury to people or damage to property) B. In areas where broadcasting station antennas are close by the intercom system may be affected by . Before turning on power, make sure wires are not crossed or shorted. Fire or electric shock The unit case and handset may become a little warm with use, but this is not a unit malfunction. could result . When mounting the unit on wall, install the unit in a convenient location, but not where If a cellular phone is used closeby, the unit may malfunction. it could be jarred or bumped. Injury could result.

3. Do not install or make any wire terminations while power supply is tumed on. 6. Keep the unit more than 1m away from Radio or TV set. 7. If the phone is operated near OA equipment, Radio or TV, they interactively influence by radio frequency interference. Carefully select both locations for installation and operation. PRECAUTIONS

General Prohibitions to dismantle the unit

Prohibitions to subject the unit to water

General Precautions NARNING (Negligence could result in death or serious injury to people) 4. Do not install the unit in any of the following locations. Fire, electric shock or unit trouble could result. igwedge1. High voltage is present internally. Do not open the case. Electric shock could result. 2. Do not dismantle or alter the unit. Fire or electric shock could result. * Places under direct sunlight, or near heating equipment that varies in temperature. * Places subject to dust, oil, chemicals. * Places subject to moisture and humidity extremes, such as bathroom, cellar, greenhouse, etc. * Places where the temperature is quite low, such as inside a refrigerated area or in front of air-conditioner. . Do not connect any power source other than specified to terminals +,- on the unit. Fire or electric shock could result. 1. Keep the unit away from water or any other liquid. Fire or electric shock could result. 5. Do not cover the monitor station with cloth, etc or put anything on it. Fire or unit damage could resuit. 5. Do not put any metal into the unit through the openings. Fire, electric shock or unit trouble **GENERAL PRECAUTIONS** All the units, except for door station is designed for indoor use only. Do not install outdoors. 6. Do not put high pressure on the monitor cover. If fractured, injury could result. When wall-mounted, the unit may become dusty. Clean with a soft cloth. CAUTION (Negligence could result in injury to people or damage to property) In areas where broadcasting station antennas are close by the intercom system may be affected by . Before turning on power, make sure wires are not crossed or shorted. Fire or electric shock radio frequency interference. The unit case and handset may become a little warm with use, but this is not a unit malfunction. . When mounting the unit on wall, install the unit in a convenient location, but not where 5. If a cellular phone is used closeby, the unit may malfunction. 6. Keep the unit more than 1m away from Radio or TV set. it could be jarred or bumped. Injury could result. B. Do not install or make any wire terminations while power supply is tumed on. . If the phone is operated near OA equipment, Radio or TV, they interactively influence by radio Unit trouble could result. frequency interference. Carefully select both locations for installation and operation. PRECAUTIONS \(\) General Prohibitions to dismantle the unit \(\) Prohibitions to subject the unit to water \(\mathbb{Q} \) General Precautions 4. Do not install the unit in any of the following locations. Fire, electric shock or unit trouble could result. igwedge

WARNING (Negligence could result in death or serious injury to people). High voltage is present internally. Do not open the case. Electric shock could result. **!** WARNING (Negligence could result in death or serious injury to people) 2. Do not dismantle or alter the unit. Fire or electric shock could result. B. Do not connect any power source other than specified to terminals +,- on the unit. Fire or electric shock could result.

4. Keep the unit away from water or any other liquid. Fire or electric shock could result.

5. Do not put any metal into the unit through the openings. Fire, electric shock or unit trouble 6. Do not put high pressure on the monitor cover. If fractured, injury could result.

CAUTION (Negligence could result in injury to people or damage to property) Before turning on power, make sure wires are not crossed or shorted. Fire or electric shock

could result. 2. When mounting the unit on wall, install the unit in a convenient location, but not where lacktriangle

it could be jarred or bumped. Injury could result. . Do not install or make any wire terminations while power supply is tumed on. Unit trouble could result.

* Places under direct sunlight, or near heating equipment that varies in temperature. * Places subject to dust, oil, chemicals. * Places subject to moisture and humidity extremes, such as bathroom, cellar, greenhouse, etc. * Places where the temperature is quite low, such as inside a refrigerated area or in front of air-conditioner. 5. Do not cover the monitor station with cloth, etc or put anything on it. Fire or unit damage could resuit.

GENERAL PRECAUTIONS

. All the units, except for door station is designed for indoor use only. Do not install outdoors. . When wall-mounted, the unit may become dusty. Clean with a soft cloth.

In areas where broadcasting station antennas are close by the intercom system may be affected by radio frequency interference. The unit case and handset may become a little warm with use, but this is not a unit malfunction

. If a cellular phone is used closeby, the unit may malfunction.

Keep the unit more than 1m away from Radio or TV set.If the phone is operated near OA equipment, Radio or TV, they interactively influence by radio

frequency interference. Carefully select both locations for installation and operation.

PRECAUTIONS

General Prohibitions to dismantle the unit

Prohibitions to subject the unit to water

General Precautions **WARNING** (Negligence could result in death or serious injury to people)

High voltage is present internally. Do not open the case. Electric shock could result.

Do not dismantle or alter the unit. Fire or electric shock could result. 3. Do not connect any power source other than specified to terminals +,- on the unit.

Fire or electric shock could result. Keep the unit away from water or any other liquid. Fire or electric shock could result.

5. Do not put any metal into the unit through the openings. Fire, electric shock or unit trouble

. Do not put high pressure on the monitor cover. If fractured, injury could result.

CAUTION (Negligence could result in injury to people or damage to property) Before turning on power, make sure wires are not crossed or shorted. Fire or electric shock could result

. When mounting the unit on wall, install the unit in a convenient location, but not where it could be jarred or bumped. Injury could result.

3. Do not install or make any wire terminations while power supply is turned on. Unit trouble could result.

 Do not install the unit in any of the following locations. Fire, electric shock or unit trouble could result.
 * Places under direct sunlight, or near heating equipment that varies in temperature. * Places subject to dust, oil, chemicals. * Places subject to moisture and humidity extremes, such as bathroom, cellar, greenhouse, etc. * Places where the temperature is quite low, such as inside a refrigerated area or in front of air-conditioner. 5. Do not cover the monitor station with cloth, etc or put anything on it. Fire or unit damage could resuit. 🚫

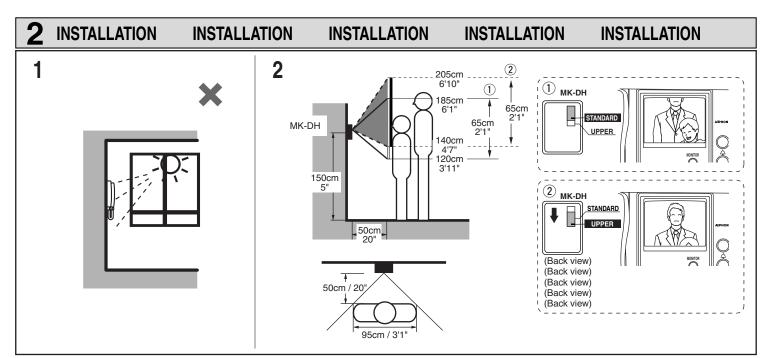
GENERAL PRECAUTIONS

. All the units, except for door station is designed for indoor use only. Do not install outdoors. . When wall-mounted, the unit may become dusty. Clean with a soft cloth.

. In areas where broadcasting station antennas are close by the intercom system may be affected by radio frequency interference.

The unit case and handset may become a little warm with use, but this is not a unit malfunction. 5. If a cellular phone is used closeby, the unit may malfunction. 6. Keep the unit more than 1m away from Radio or TV set.

7. If the phone is operated near OA equipment, Radio or TV, they interactively influence by radio frequency interference. Carefully select both locations for installation and operation.



1 Mounting locations direct sunlight coming onto

2 Image view area 1) View from the initial camera

monitor screen

position 2 Pull down lever to turn the camera up.

1 Mounting locations direct sunlight coming onto monitor screen

2 Image view area 1) View from the initial camera

nosition

2 Pull down lever to turn the camera up

1 Mounting locations direct sunlight coming onto monitor screen

2 Image view area 1) View from the initial camera

nosition

2 Pull down lever to turn the camera up.

1 Mounting locations direct sunlight coming onto monitor screen

2 Image view area 1) View from the initial camera

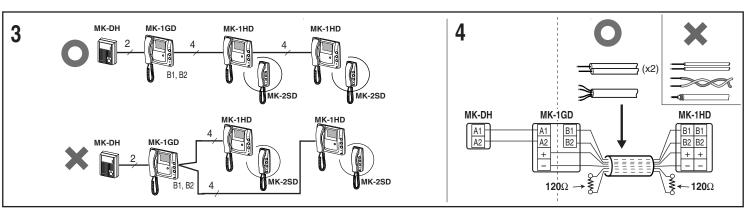
nosition 2 Pull down lever to turn the camera up

1 Mounting locations direct sunlight coming onto monitor screen

2 Image view area

1) View from the initial camera position

2 Pull down lever to turn the camera up.



3 Wiring Method

Wire the inside stations in a station-to-station manner.

4 Cable

1. Parallel cable or single-sheathed cable are recommended. Vinyl jacket, PE(polyethylene) insulation cable is recommended. 2. Never use loose wires, twisted

pair cable or coaxial cable. 3. When using existing wires, which may contain unused wires, it is suggested to terminate both ends of unused pair(s) with a 120Ω registor

Wire the inside stations in a station-to-station manner.

3 Wiring Method

4 Cable 1. Parallel cable or single-sheathed cable are recommended. Vinyl jacket, PE(polyethylene) insulation cable is recommended. 2. Never use loose wires, twisted

pair cable or coaxial cable. . When using existing wires, which 3. When using existing wires, which may contain unused wires, it is suggested to terminate both ends of unused pair(s) with a 120Ω registor.

3 Wiring Method Wire the inside stations in a station-to-station manner.

4 Cable

1. Parallel cable or single-sheathed cable are recommended. Vinyl jacket, PE(polyethylene) insulation cable is recommended. 2. Never use loose wires, twisted

pair cable or coaxial cable. may contain unused wires, it is suggested to terminate both ends of unused pair(s) with a 120Ω registor

3 Wiring Method Wire the inside stations in a station-to-station manner.

4 Cable

. Parallel cable or single-sheathed cable are recommended. Vinyl jacket, PE(polyethylene) insulation cable is recommended 2. Never use loose wires, twisted

pair cable or coaxial cable. When using existing wires, which may contain unused wires, it is suggested to terminate both ends of unused pair(s) with a 120Ω registor.

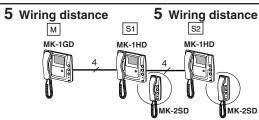
3 Wiring Method Wire the inside stations in a station-to-station manner

4 Cable

1. Parallel cable or single-sheathed cable are recommended. Vinyl jacket, PE(polyethylene) insulation cable is recommended 2. Never use loose wires, twisted pair cable or coaxial cable.

3. When using existing wires, which may contain unused wires, it is suggested to terminate both ends of unused pair(s) with a 120Ω registor

5 Wiring distance

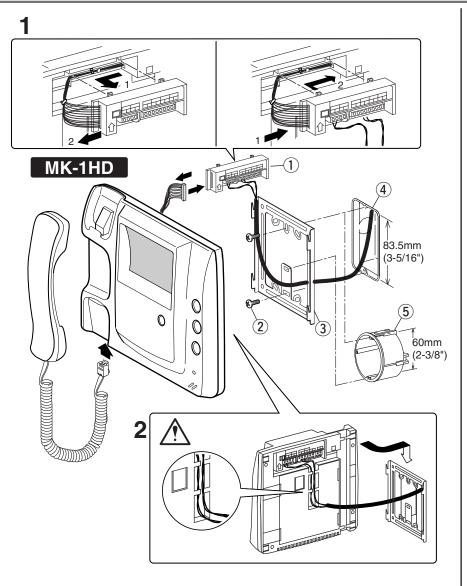


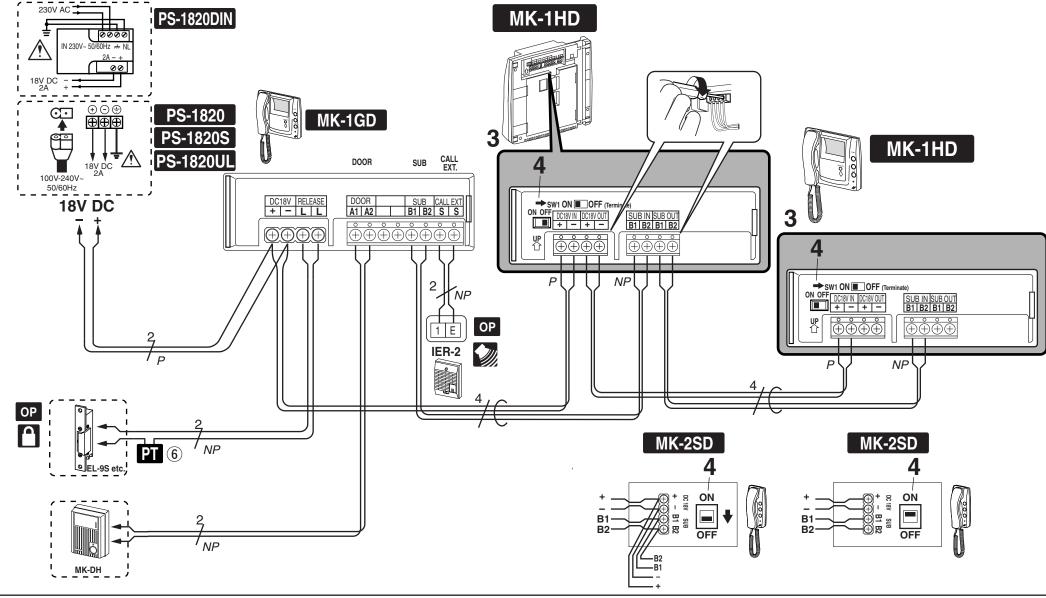
5 Wiring distance 5 Wiring distance

Ø 1.0mm 18AWG M ← S2 75m 245'

- 2 -







PACKAGE CONTENTS MK-1HD

Packet of screws Installation & Operation Manual

PACKAGE CONTENTS

MK-1HD Packet of screws Installation & Operation Manual

PACKAGE CONTENTS MK-1HD

Packet of screws Installation & Operation Manual

PACKAGE CONTENTS

MK-1HD Packet of screws Installation & Operation Manual

PACKAGE CONTENTS

MK-1HD Packet of screws Installation & Operation Manual

- Terminal block 2 Screw (x 2) 3 Mounting bracket Single-gang box ⑤ Round-gang box ⑥ AC transformer Slide and pull out terminal block. Unplug connector to detach.
- Plug in and remount. may damage wires by pinching.
- MK-1HD Terminals

(DC18V IN) +, − for power supply (DC18V)

⚠ (DC18V OUT) +, − for 3rd station DC IN terminal to SUB B1, B2 (MK-1GD) or SUB OUT B1, B2 (MK-1GD) or SUB OUT B1, B2 (MK-1HD) or OSUB B1, B2 (MK-1HD) or OSUB B1, B2 (MK-1HD) or SUB B1, B2 (MK-2SD)

Impedance switch setting When one or two add-on stations MK-1HD or MK-2SD are installed, Be sure to place the Impedance switch as follows, otherwise both image and sound can be deteriorated

MK-1GD	MK-1HD	MK-1GD	MK-1HD	MK-1HD
	MK-2SD		MK-2SD	MK-2SD
	ON		OFF	ON

NP: Non-polarized. P: Polarized.

- Terminal block 2 Screw (x 2) 3 Mounting bracket
- Single-gang box ⑤ Round-gang box ⑥ AC transformer Slide and pull out terminal block. Unplug connector to detach.
- Plug in and remount. may damage wires by pinching.
- 3. MK-1HD Terminals

(DC18V IN) +, − for power supply (DC18V)

Δ (DC18V OUT) +, − for 3rd station DC IN terminal
(SUB IN) B1, B2: to SUB B1, B2 (MK-1GD) or
SUB OUT B1, B2 (MK-1GD or MK-2SD)
(SUB OUT) B1, B2: to SUB B1, B2 (MK-1HD) or SUB B1, B2 (MK-2SD)

4. Impedance switch setting When one or two add-on stations MK-1HD or MK-2SD are installed, Be sure to place the Impedance switch as follows, otherwise both image and sound can be deteriorated

MK-1GD	MK-1HD	MK-1GD	MK-1HD	MK-1HD
	MK-2SD		MK-2SD	MK-2SD
	ON		OFF	ON

NP: Non-polarized. P: Polarized.

- Terminal block 2 Screw (x 2) 3 Mounting bracket
- Single-gang box ⑤ Round-gang box ⑥ AC transformer Slide and pull out terminal block. Unplug connector to detach.
- Plug in and remount.
- may damage wires by pinching
- 3. MK-1HD Terminals

(DC18V IN) +, − for power supply (DC18V)

⚠ (DC18V OUT) +, − for 3rd station DC IN terminal (SUB IN) B1, B2: to SUB B1, B2 (MK-1GD) or SUB OUT B1, B2 (MK-1GD or MK-2SD) (SUB OUT) B1, B2: to SUB B1, B2 (MK-1HD) or SUB B1, B2 (MK-2SD)

 Impedance switch setting
 When one or two add-on stations MK-1HD or MK-2SD are installed, Be sure to place the Impedance switch as follows.

otherwise both image and sound can be deteriorate					
MK-1GD	MK-1HD	1	MK-1GD	MK-1HD	MK-1HD
	MK-2SD	ı		MK-2SD	MK-2SD
	ON	1		OFF	ON

NP: Non-polarized. P: Polarized.

- Terminal block 2 Screw (x 2) 3 Mounting bracket
- Single-gang box ⑤ Round-gang box ⑥ AC transformer Slide and pull out terminal block. Unplug connector to detach.
- Plug in and remount. Strip jacket of cables. Put all the wires neatly into slot, otherwise 2. Strip jacket of cables. Put all the wires neatly into slot, otherwise 2. Strip jacket of cables. Put all the wires neatly into slot, otherwise 2. Strip jacket of cables. Put all the wires neatly into slot, otherwise 2. Strip jacket of cables. may damage wires by pinching.
 - 3. MK-1HD Terminals

(DC18V IN) +, − for power supply (DC18V)

⚠ (DC18V OUT) +, − for 3rd station DC IN terminal (SUB IN) B1, B2: to SUB B1, B2 (MK-1GD) or SUB OUT B1, B2 (MK-1GD or MK-2SD) (SUB OUT) B1, B2: to SUB B1, B2 (MK-1HD) or

SUB B1, B2 (MK-2SD) 4. Impedance switch setting When one or two add-on stations MK-1HD or MK-2SD are installed, Be sure to place the Impedance switch as follows

otherwise both image and sound can be deteriorated					
MK-1GD	MK-1HD	Ш	MK-1GD	MK-1HD	MK-1HD
	MK-2SD	Ш		MK-2SD	MK-2SD
	ON	П		OFF	ON

NP: Non-polarized. P: Polarized.

- Terminal block 2 Screw (x 2) 3 Mounting bracket Single-gang box ⑤ Round-gang box ⑥ AC transformer Slide and pull out terminal block. Unplug connector to detach
- Plug in and remount. Strip jacket of cables. Put all the wires neatly into slot, otherwise may damage wires by pinching.
- 3. MK-1HD Terminals

(DC18V IN) +,- for power supply (DC18V)

(DC18V OUT) +,- for 3rd station DC IN terminal (SUB IN) B1, B2: to SUB B1, B2 (MK-1GD) or SUB OUT B1, B2 (MK-1GD or MK-2SD)

(SUB OUT) B1, B2: to SUB B1, B2 (MK-1HD) or SUB B1, B2 (MK-1HD)

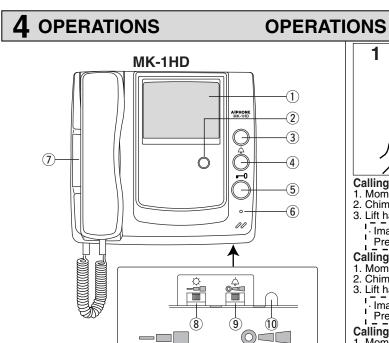
SUB B1, B2 (MK-2SD)

 Impedance switch setting
 When one or two add-on stations MK-1HD or MK-2SD are installed, Be sure to place the Impedance switch as follows, otherwise both image and sound can be deteriorated

	0		00 00 001	
MK-1GD	MK-1HD	MK-1GD	MK-1HD	MK-1HD
	MK-2SD		MK-2SD	MK-2SD
	ON		OFF	ON

NP: Non-polarized. P: Polarized.

- 4 --5 -



NAMES & FUNCTIONS

Video monitor (4 inch CRT)

SERVICE button(Option)

DOOR RELEASE button

7) Open voice speaker for chime

tone & internal call-in voice

NAMES & FUNCTIONS

SERVICE button(Option)

DOOR RELEASE button

(8) Screen Brightness control Chime/pre-tone volume control

tone & internal call-in voice

ROOM CALL button

6 Door CALL-in LED Open voice speaker for chime

10 Reset button

MONITOR button

Video monitor (4 inch CRT)

ROOM CALL button

Door CALL-in LED

10 Reset button

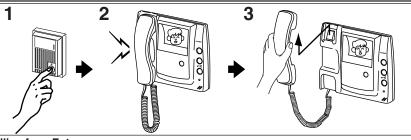
MONITOR button

NAMES & FUNCTIONS

- Video monitor (4 inch CRT)
- MONITOR button
- SERVICE button(Option)
- ROOM CALL button
- DOOR RELEASE button
- Door CALL-in LED
- Open voice speaker for chime tone & internal call-in voice
- 8 Screen Brightness control 8 Screen Brightness control 9 Chime/pre-tone volume control Chime/pre-tone volume control
- 10 Reset button
- **NAMES & FUNCTIONS**
- Video monitor (4 inch CRT)
- MONITOR button SERVICE button(Option)
- ROOM CALL button
- DOOR RELEASE button
- 6 Door CALL-in LED
- Open voice speaker for chime
- tone & internal call-in voice Screen Brightness control
- 9 Chime/pre-tone volume control
- 10 Reset button

NAMES & FUNCTIONS

- Video monitor (4 inch CRT)
- MONITOR button SERVICE button (Option)
- ROOM CALL button
- 5 DOOR RELEASE button 6 Door CALL-in LED
- Open voice speaker for chime
- tone & internal call-in voice 8 Screen Brightness control
- 9 Chime/pre-tone volume control
- 10 Reset button



OPERATIONS

Calling from Entrance

- 1. Momentarily depress CALL button.
- 2. Chime tone sounds. Video monitor turns on image.
- 3. Lift handset at any inside station to communicate.
- !- Image timer; Call in Approx. 45 sec. Communication; Approx. 2-1/2 minutes. Press MONITOR button, to manually turn on again.

Calling from Entrance

- Momentarily depress CALL button.
- 2. Chime tone sounds. Video monitor turns on image.
- 3. Lift handset at any inside station to communicate.
- Image timer; Call in Approx. 45 sec. Communication; Approx. 2-1/2 minutes. Press MONITOR button, to manually turn on again.

Calling from Entrance

- . Momentarily depress CALL button.
- 2. Chime tone sounds. Video monitor turns on image.
- Lift handset at any inside station to communicate.
 Image timer; Call in Approx. 45 sec. Communication; Approx. 2-1/2 minutes.
 - Press MONITOR button, to manually turn on again.

Calling from Entrance

- Momentarily depress CALL button.
- 2. Chime tone sounds. Video monitor turns on image.
- 3. Lift handset at any inside station to communicate.
- Image timer; Call in Approx. 45 sec. Communication; Approx. 2-1/2 minutes. Press MONITOR button, to manually turn on again.

Calling from Entrance

Internal calling

Internal calling

Internal calling

Internal calling

Internal calling

- 6

1. Momentarily depress CALL button.

1. Lift handset, press ROOM CALL button.

3. Lift handset at either station to reply.

3. Lift handset at either station to reply.

3. Lift handset at either station to reply.

3. Lift handset at either station to reply

3. Lift handset at either station to reply.

2. The other inside stations are paged with pre-tone and voice.

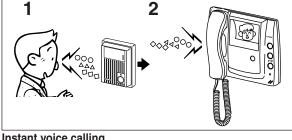
2. The other inside stations are paged with pre-tone and voice.

2. The other inside stations are paged with pre-tone and voice.

2. The other inside stations are paged with pre-tone and voice.

2. The other inside stations are paged with pre-tone and voice.

- 2. Chime tone sounds. Video monitor turns on image.
- 3. Lift handset at any inside station to communicate.
- Image timer; Call in Approx. 45 sec. Communication; Approx. 2-1/2 minutes.
- Press MONITOR button, to manually turn on again.



Instant voice calling

OPERATIONS

. Momentarily depress CALL button. Speak directly to inside station. 2. Upon chime sounding, the entry image is viewed on the video monitor.

OPERATIONS

Voice is heard from speaker of all the inside stations. The call-in image automatically turns off in approx.45 sec.

Instant voice calling

- 1. Momentarily depress CALL button. Speak directly to inside station. 2. Upon chime sounding, the entry image is viewed on the video monitor.
- Voice is heard from speaker of all the inside stations.
- The call-in image automatically turns off in approx.45 sec.

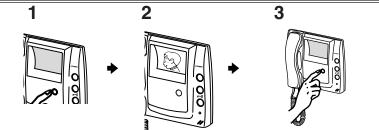
- . Momentarily depress CALL button. Speak directly to inside station.
- 2. Upon chime sounding, the entry image is viewed on the video monitor. Voice is heard from speaker of all the inside stations.
- The call-in image automatically turns off in approx.45 sec.

Instant voice calling

- 1. Momentarily depress CALL button. Speak directly to inside station. 2. Upon chime sounding, the entry image is viewed on the video monitor. Voice is heard from speaker of all the inside stations.
- The call-in image automatically turns off in approx.45 sec.

Instant voice calling

- 1. Momentarily depress CALL button. Speak directly to inside station.
- 2. Upon chime sounding, the entry image is viewed on the video monitor. Voice is heard from speaker of all the inside stations.
- The call-in image automatically turns off in approx.45 sec.



Monitoring

- 1. Momentarily depress MONITOR button. 2. Video monitor turns on image of entry. Press MONITOR button to end monitoring.
- 1. Inside audio can not be heard at door station. 2. Lift handset to establish talk channel with door station.

Monitoring

- 1. Momentarily depress MONITOR button. 2. Video monitor turns on image of entry. 3. Press MONITOR button to end monitoring.
- 1. Inside audio can not be heard at door station. 2. Lift handset to establish talk channel with door station.

Monitoring

- . Momentarily depress MONITOR button. 2. Video monitor turns on image of entry. 3. Press MONITOR button to end monitoring.
- 1. Inside audio can not be heard at door station.

2. Lift handset to establish talk channel with door station.

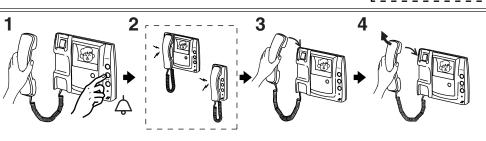
1. Momentarily depress MONITOR button. 2. Video monitor turns on image of entry. 3. Press MONITOR button to end monitoring.

- Inside audio can not be heard at door station.
- 2. Lift handset to establish talk channel with door station.

Monitoring

-7 -

- 1. Momentarily depress MONITOR button. 2. Video monitor turns on image of entry. 3. Press MONITOR button to end monitoring.
- Inside audio can not be heard at door station. 2. Lift handset to establish talk channel with door station.



Transfer of Door call-in

- 1. Press ROOM CALL button, while talking to the door, then tell others about the door call-in.
- 2. Either of the other stations lifts handset to reply.
- 3. Both parties hang up handset, before either stations answers to the door.
- 4. Only the answering station, then picks up handset to talk to the door.

Transfer of Door call-in

- 1. Press ROOM CALL button, while talking to the door, then tell others about the door call-in. 2. Either of the other stations lifts handset to reply.
- 3. Both parties hang up handset, before either stations answers to the door.
- 4. Only the answering station, then picks up handset to talk to the door.

- Transfer of Door call-in
- 1. Press ROOM CALL button, while talking to the door, then tell others about the door call-in. 2. Either of the other stations lifts handset to reply.
- 3. Both parties hang up handset, before either stations answers to the door.
- 4. Only the answering station, then picks up handset to talk to the door.

Transfer of Door call-in

- 1. Press ROOM CALL button, while talking to the door, then tell others about the door call-in.
- 2. Either of the other stations lifts handset to reply.
- 3. Both parties hang up handset, before either stations answers to the door.
- 4. Only the answering station, then picks up handset to talk to the door.

Transfer of Door call-in

- 1. Press ROOM CALL button, while talking to the door, then tell others about the door call-in.
- 2. Either of the other stations lifts handset to reply.
- 3. Both parties hang up handset, before either stations answers to the door. 4. Only the answering station, then picks up handset to talk to the door.

Activating Door Release

- 1. Depress and hold down DOOR RELEASE button
- 2. The door is unlocked.

Activating Door Release

- 1. Depress and hold down DOOR RELEASE button
- . The door is unlocked.

Activating Door Release

- 1. Depress and hold down DOOR RELEASE button
- 2. The door is unlocked.

Activating Door Release

- 1. Depress and hold down DOOR RELEASE button
- 2. The door is unlocked.

Activating Door Release

- 1. Depress and hold down DOOR RELEASE button.
- 2. The door is unlocked.

TECHNICAL PRECAUTIONS

- Operating temperature MK-1HD:0°C ~ 40°C (+32°F ~ +104°F).
- Image may vary when Door release button is held down. This is not malfunction.
- Do not operate MONITOR button and plug in DC power at the same time. It will create a continuous high-pitched tone, and can be reset by momentarily unplugging power supply.

 Cleaning: Clean MK-1HD with a soft
- cloth dampened with neutral household cleanser. Do not use any abrasive cleaner or cloth.
- In case of system malfunction, push the "RESET" button. If this doesn't solve the problem, shut the DC power down, and contact to a qualified technician.

TECHNICAL **PRECAUTIONS**

- Operating temperature MK-1HD:0°C ~ 40°C.
- Image may vary when Door release button is held down. This is not malfunction.
- Do not operate MONITOR button and plug in DC power at the same time. It will create a continuous high-pitched tone, and can be reset by momentarily unplugging power supply.
 Cleaning: Clean MK-1HD with a soft
- cloth dampened with neutral household cleanser. Do not use any abrasive cleaner or cloth.
- In case of system malfunction, push the "RESET" button. If this doesn't solve the problem, shut the DC power down, and contact to a qualified technician.

TECHNICAL PRECAUTIONS

- Operating temperature MK-1HD:0°C ~ 40°C.
- · Image may vary when Door release button is held down. This is not malfunction.
- Do not operate MONITOR button and plug in DC power at the same time. It will create a continuous high-pitched tone, and can be reset by momentarily unplugging power supply.

 Cleaning: Clean MK-1HD with a soft
- cloth dampened with neutral household cleanser. Do not use any abrasive cleaner or cloth.
- In case of system malfunction, push the "RESET" button. If this doesn't solve the problem, shut the DC power down, and contact to a qualified technician.

TECHNICAL **PRECAUTIONS**

- Operating temperature MK-1HD:0°C ~ 40°C.
- Image may vary when Door release button is held down. This is not malfunction.
- Do not operate MONITOR button and plug in DC power at the same time. It will create a continuous high-pitched tone, and can be reset by momentarily unplugging power supply.

 • Cleaning: Clean MK-1HD with a soft
- cloth dampened with neutral household cleanser. Do not use any abrasive cleaner or cloth.
- In case of system malfunction, push the "RESET" button. If this doesn't solve the problem, shut the DC power down, and contact to a qualified technician.

TECHNICAL **PRECAUTIONS**

- Operating temperature MK-1HD:0°C ~ 40°C.
- · Image may vary when Door release button is held down. This is not malfunction.
- Do not operate MONITOR button and plug in DC power at the same time. It will create a continuous high-pitched tone, and can be reset by momentarily unplugging power supply.
 Cleaning: Clean MK-1HD with a soft
- cloth dampened with neutral household cleanser. Do not use any abrasive cleaner or cloth.
- In case of system malfunction, push the "RESET" button. If this doesn't solve the problem, shut the DC power down, and contact to a qualified technician.

6 SPECIFICATIONS

Calling: Chime tone & image, approx

Communication: Simultaneous with

handset for approx. 2-1/2 min. timed.

Extend w/MONITOR button. All-call

Video-monitor: 4" direct view flat CRT

MK-1HD; 210H x 215W x 69D(mm).

• Consumption: (MAX) 400mA

voice calling, common talk.

Scanning lines: 525 lines.

45 sec

Dimensions:

- Power source: from MK-1HD (DC18V). • Power source: from MK-1HD (DC18V).

SPECIFICATIONS

- Consumption: (MAX) 400mA.Calling: Chime tone & image, approx. 45 sec
- · Communication: Simultaneous with handset for approx. 2-1/2 min. timed. Extend w/MONITOR button. All-call voice calling, common talk.
- · Video-monitor: 4" direct view flat CRT
- Scanning lines: 525 lines.
- Dimensions:
- MK-1HD; 210H x 215W x 69D(mm). • Weight: MK-1HD approx. 1,200g
- 8-1/4"H x 8-1/2"W x 2-3/4"D. • Weight: MK-1HD approx. 1,200g (2.65 lbs.)

SPECIFICATIONS

- Power source: from MK-1HD (DC18V). Consumption: (MAX) 400mA
- Calling: Chime tone & image, approx 45 sec
- Communication: Simultaneous with handset for approx. 2-1/2 min. timed. Extend w/MONITOR button. All-call voice calling, common talk.
- · Video-monitor: 4" direct view flat CRT
- Scanning lines: 525 lines.
- Dimensions:
- MK-1HD; 210H x 215W x 69D(mm). Weight: MK-1HD approx. 1,200g.
- Power source: from MK-1HD (DC18V).
- Consumption: (MAX) 400mA

SPECIFICATIONS

- Calling: Chime tone & image, approx. 45 sec
- · Communication: Simultaneous with handset for approx. 2-1/2 min. timed. Extend w/MONITOR button. All-call voice calling, common talk.
- Video-monitor: 4" direct view flat CRT
- Scanning lines: 525 lines.
- Dimensions:
- MK-1HD; 210H x 215W x 69D(mm). Weight: MK-1HD approx. 1,200g.
- Power source: from MK-1HD (DC18V)

SPECIFICATIONS

- Consumption: (MAX) 400mA.Calling: Chime tone & image, approx 45 sec
- Communication: Simultaneous with handset for approx. 2-1/2 min. timed. Extend w/MONITOR button. All-call voice calling, common talk.
- · Video-monitor: 4" direct view flat CRT
- Scanning lines: 525 lines
- Dimensions:
- MK-1HD; 210H x 215W x 69D(mm).
- Weight: MK-1HD approx. 1,200g.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment

WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the unit. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls.

does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: • Reorient or relocate the receiving antenna. • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Increase the separation between the equipment and receiver. • Consult the dealer or an experienced radio/TV technician for help.

WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the unit. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls.

approximation and the species of the WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will Aphone warrants its products to be tree from detects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the unit. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls.

WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Alphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the unit. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls.

WARRANTY

1/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 - 0/2 -

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the unit. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls.

> Providing Peace of Mind http://www.aiphone.com/ Printed in Thailand