JA-2SD
HANDSFREE SUB MASTER STATION
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INSTALLATION & OPERATION MANUAL
MANUEL D'INSTALLATION ET D'UTILISATION
EINBAU- & BEDIENUNGSANLEITUNG
MANUAL DE INSTALACION Y OPERACION
INSTALLATIE- EN BEDIENINGSHANDLEIDING
**PRECAUTIONS**

**English**

**General Prohibitions**

- Prohibition to Dismantle the Unit
- Prohibition on Subjecting the Unit to Water

**General Precautions**

**WARNING**

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

1. Do not dismantle or alter the unit. Fire or electric shock could result.
2. Do not connect any power source other than specified to terminals +, - nor install 2 power supplies in parallel to single input. Fire or unit damage could result.
3. Keep the unit away from water or any other liquid. Fire or electric shock could result.
4. Do not put any metal into the unit through the openings. Fire or electric shock could result.

**CAUTION**

*(Negligence could result in injury to people or damage to property)*

1. Before turning on the 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 it could be jarred or bumped. Injury could result.
3. While the power supply is turned on, do not make any wiring connections. Electric shock or unit trouble could result.
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, greenhouse, etc.
   * Places where the temperature is quite low, such as inside a refrigerated area or in front of an air-conditioner.

**GENERAL PRECAUTIONS**

1. This unit is for indoor use only. Do not use outdoors.
2. In areas where broadcasting station antennas are close by, the intercom system may be affected by radio frequency interference.
3. If a cellular phone is used close by, the unit may malfunction.
4. Keep the unit more than 1 m away from radio or TV sets.
5. If the monitor station is operated near office equipment, radios or TVs, it will be affected by radio wave interference or noise. Carefully select the place of use.
6. Ambient noise around the unit may prevent normal communication. This is not unit trouble.

**VORSICHTSMASSNAHMEN**

**Deutsch**

**Allgemeine Verbote**

- Prohibit de dismantez l'appareil
- Interdiction de démonter l'appareil

**General Precautions**

**WARNING**

*(Eine Nichtbeachtung kann zu schweren oder tödlichen Verletzungen führen)*

1. Do not dismantle or alter the unit. Fire or electric shock could result.
2. Do not connect any power source other than specified to terminals +, - nor install 2 power supplies in parallel to single input. Fire or unit damage could result.
3. Keep the unit away from water or any other liquid. Fire or electric shock could result.
4. Do not put any metal into the unit through the openings. Fire or electric shock could result.

**CAUTION**

*(Eine Nichtbeachtung kann zu Verletzungen und zu Sachbeschädigungen führen)*

1. Before turning on the 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 it could be jarred or bumped. Injury could result.
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**ALLGEMEINE VORSICHTSMASSNAHMEN**

1. This unit is for indoor use only. Do not use outdoors.
2. In areas where broadcasting station antennas are close by, the intercom system may be affected by radio frequency interference.
3. If a cellular phone is used close by, the unit may malfunction.
4. Keep the unit more than 1 m away from radio or TV sets.
5. If the monitor station is operated near office equipment, radios or TVs, it will be affected by radio wave interference or noise. Carefully select the place of use.
6. Ambient noise around the unit may prevent normal communication. This is not unit trouble.

**PRECAUTIONES**

**Español**

**Prohibiciones generales**

**Prohibición de desmontar la unidad**

**Precauciones generales**

**WARNING**

*(No seguir estas instrucciones podría provocar daños graves o incluso mortales)*

1. Do not dismantle or alter the unit. Fire or electric shock could result.
2. Do not connect any power source other than specified to terminals +, - nor install 2 power supplies in parallel to single input. Fire or unit damage could result.
3. Keep the unit away from water or any other liquid. Fire or electric shock could result.
4. Do not put any metal into the unit through the openings. Fire or electric shock could result.
PRECAUCION
(No seguir estas instrucciones podría causar daños físicos o materiales)

1. Before turning on the 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 it could be jarred or bumped. Injury could result.
3. While the power supply is turned on, do not make any wiring connections. Electric shock or unit trouble could result.
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VOORZORGSMMAATREGELEN

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WAARSCHUWING
(niet-naleving kan de dood of ernstige verwonding van mensen veroorzaken)

1. Do not connect any power source other than specified to terminals +, - nor install 2 power supplies in parallel to single input. Fire or unit damage could result.
2. Keep the unit away from water or any other liquid. Fire or electric shock could result.
3. Do not put any metal into the unit through the openings. Fire or electric shock could result.

OPGELET
(niet-naleving kan verwondingen van mensen of beschadigingen van eigendommen veroorzaken)

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6. Ambient noise around the unit may prevent normal communication. This is not unit trouble.

WIRING

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

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 resistor.

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1-2

Wiring distance
Wiring distance
Wiring distance
Wiring distance

NAMES & FUNCTIONS

[1] Speaker
[2] Door call-in LED (Door 1)
[3] Door call-in LED (Door 2)
[4] Room CALL button
[5] DOOR RELEASE button
[7] TALK button
[8] Transmit LED
[9] Door call-in selector: 1, 2 or 1&2
[10] Chime TONE volume control

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**Deutsch**

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**Español**

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8. Transmit LED
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**Nederlands**

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2. Door call-in LED (Door 1)
3. Door call-in LED (Door 2)
4. Room CALL button
5. DOOR RELEASE button
7. TALK button
8. Transmit LED
9. Door call-in selector: 1, 2 or 1&2
10. Chime TONE volume control

### PACKAGE CONTENTS

**English**

1. JA-2SD
2. Wall mounting bracket
3. Packet of screws
4. INSTALLATION & OPERATION MANUAL

**Français**

1. JA-2SD
2. Wall mounting bracket
3. Packet of screws
4. INSTALLATION & OPERATION MANUAL

**Deutsch**

1. JA-2SD
2. Wall mounting bracket
3. Packet of screws
4. INSTALLATION & OPERATION MANUAL

**Español**

1. JA-2SD
2. Wall mounting bracket
3. Packet of screws
4. INSTALLATION & OPERATION MANUAL

**Nederlands**

1. JA-2SD
2. Wall mounting bracket
3. Packet of screws
4. INSTALLATION & OPERATION MANUAL
MOUNTING

1. Push RELEASE button (to unlock or to insert the wire securely).
2. Insert the cable into terminal.
   [1] Screw (x2)
   [2] Wall mounting bracket

WIRING

Impedance matching switch
Terminate farthest sub station, putting SW. to ON position, otherwise both image and audio are deteriorated.
Answering a door call (AUTO mode)

1. Momentarily depress CALL button.
2. Chime tone sounds and caller’s voice is heard. Door call-in LED is lit for DOOR 1, or DOOR 2.
3. Press for a moment TALK button and reply handsfree.
4. Press once TALK button at the end.

NOTES: Call-in timer; 45 sec. (approx.)
Communication timer; 1 min. (approx.)
Press TALK button to manually turn on again (within 30 sec. after communication).

Answering a door call (MANUAL mode)

1. Momentarily depress CALL button.
2. Chime tone sounds and caller’s voice is heard. Door call-in LED is lit for DOOR 1, or DOOR 2.
3. Depress and hold down TALK button for 1 sec. or more.
4. To transmit, talk while pressing TALK button, and to listen, release TALK button.
5. At the end, press once TALK button.

NOTES: Call-in timer; 45 sec. (approx.)
Communication timer; 1 min. (approx.)
Press TALK button to manually turn on again (within 30 sec. after communication).
Answering a door call (MANUAL mode)

1. Momentarily depress CALL button.
2. Chime tone sounds and caller’s voice is heard.
   Door call-in LED is lit for DOOR 1 or DOOR 2.
3. Depress and hold down TALK button for 1 sec. or more.
4. To transmit, talk while pressing TALK button, and to listen, release TALK button.
5. At the end, press once TALK button.
   NOTES: Call-in timer; 45 sec. (approx.)
   Communication timer; 1 min. (approx.)
   Press TALK button to manually turn on again (within 30 sec. after communication).

Instant voice calling

1. Momentarily depress CALL button. And, speak to inside station.
2. Chime tone sounds and caller’s voice is heard. Door call-in LED is lit for DOOR 1 or DOOR 2.
   NOTES: JA-D does not have this function.

Answering a door call (MANUAL mode)

1. Momentarily depress CALL button.
2. Chime tone sounds and caller’s voice is heard.
   Door call-in LED is lit for DOOR 1 or DOOR 2.
3. Depress and hold down TALK button for 1 sec. or more.
4. To transmit, talk while pressing TALK button, and to listen, release TALK button.
5. At the end, press once TALK button.
   NOTES: Call-in timer; 45 sec. (approx.)
   Communication timer; 1 min. (approx.)
   Press TALK button to manually turn on again (within 30 sec. after communication).

Instant voice calling

1. Momentarily depress CALL button. And, speak to inside station.
2. Chime tone sounds and caller’s voice is heard. Door call-in LED is lit for DOOR 1 or DOOR 2.
   NOTES: JA-D does not have this function.

Answering a door call (MANUAL mode)

1. Momentarily depress CALL button.
2. Chime tone sounds and caller’s voice is heard.
   Door call-in LED is lit for DOOR 1 or DOOR 2.
3. Depress and hold down TALK button for 1 sec. or more.
4. To transmit, talk while pressing TALK button, and to listen, release TALK button.
5. At the end, press once TALK button.
   NOTES: Call-in timer; 45 sec. (approx.)
   Communication timer; 1 min. (approx.)
   Press TALK button to manually turn on again (within 30 sec. after communication).

Instant voice calling

1. Momentarily depress CALL button. And, speak to inside station.
2. Chime tone sounds and caller’s voice is heard. Door call-in LED is lit for DOOR 1 or DOOR 2.
   NOTES: JA-D does not have this function.

Instant voice calling

1. Momentarily depress CALL button. And, speak to inside station.
2. Chime tone sounds and caller’s voice is heard. Door call-in LED is lit for DOOR 1 or DOOR 2.
   NOTES: JA-D does not have this function.

Instant voice calling

1. Momentarily depress CALL button. And, speak to inside station.
2. Chime tone sounds and caller’s voice is heard. Door call-in LED is lit for DOOR 1 or DOOR 2.
   NOTES: JA-D does not have this function.

5-4

Activating Door Release

1. Depress and hold down DOOR RELEASE button.
2. The door is unlocked.
   NOTES: Not available in standby mode.

Activating Door Release

1. Depress and hold down DOOR RELEASE button.
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   NOTES: Not available in standby mode.

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Activating Door Release

1. Depress and hold down DOOR RELEASE button.
2. The door is unlocked.
   NOTES: Not available in standby mode.

Room-to-room communication

1. Press CALL button once. Call verbally the rest station(s).
2. The called station(s) sounds a pretone and voice.
3. To answer, press TALK button once, and reply handsfree.
4. At the end, press TALK button.
   NOTES: Communication is approx. 1 min.-timed.

Transfer door call

1. While answering door, press CALL (Room call) button. After sounding a pretone, speak to the rest station(s).
2. At the called station(s), a pretone sounds, and both image and audio of door are activated.
3. Transferred station answers by pressing once TALK button.
   To end, press TALK button again.
   (The channel with door station is held approx. 45 sec.)
Transfer door call

1. While answering door, press CALL (Room call) button. After sounding a pretone, speak to the rest station(s).
2. At the called station(s), a pretone sounds, and both image and audio of door are activated.
3. Transferred station answers by pressing once TALK button. To end, press TALK button again.
   (The channel with door station is held approx. 45 sec.)

For JA-2M(E)CD system

Turn on/off Alarm (activated by Motion-detect sensor camera)

In standby, keep pressing TALK button for 5 seconds or more. Release TALK button, after the SET tone is heard as follows;

<table>
<thead>
<tr>
<th>TONE</th>
<th>STATUS OF SETTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peeh</td>
<td>Alarm is off.</td>
</tr>
<tr>
<td>Prrr (3 sec.)</td>
<td>Alarm is sensor-activated.</td>
</tr>
</tbody>
</table>

NOTES: The Alarm ON/OFF can not be changed during communication.
After the power is turned back on (when power failed, etc.), the station is put back to Alarm ON mode.

Technical Precautions

* Operating temperature: 0°C ~ 40°C (+32°F ~ +104°F).
* Cleaning: Clean the units with a soft cloth dampened with neutral household cleanser. Do not use any abrasive cleaner or cloth.
* In case of system malfunction, turn off the power switch at master station. If this doesn't solve the problem, shut DC power down, and contact a qualified technician.
### TECHNICAL PRECAUTIONS

* Operating temperature: 0°C ~ 40°C (+32°F ~ +104°F).
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* In case of system malfunction, turn off the power switch at master station. If this doesn't solve the problem, shut DC power down, and contact a qualified technician.

### SPECIFICATIONS

| Power source: | Supplied from master station (DC18V). |
| Consumption: | (MAX) 120mA. |
| Calling: | Chime tone, 30 sec. approx. |
| Communication: | Handsfree voice-actuated |
| Dimensions: | 210H x 82W x 40D(mm). (8-1/4"H x 3-1/4"W x 1-9/16"D) |
| Weight: | 270g (0.6 lbs.) approx. |

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
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