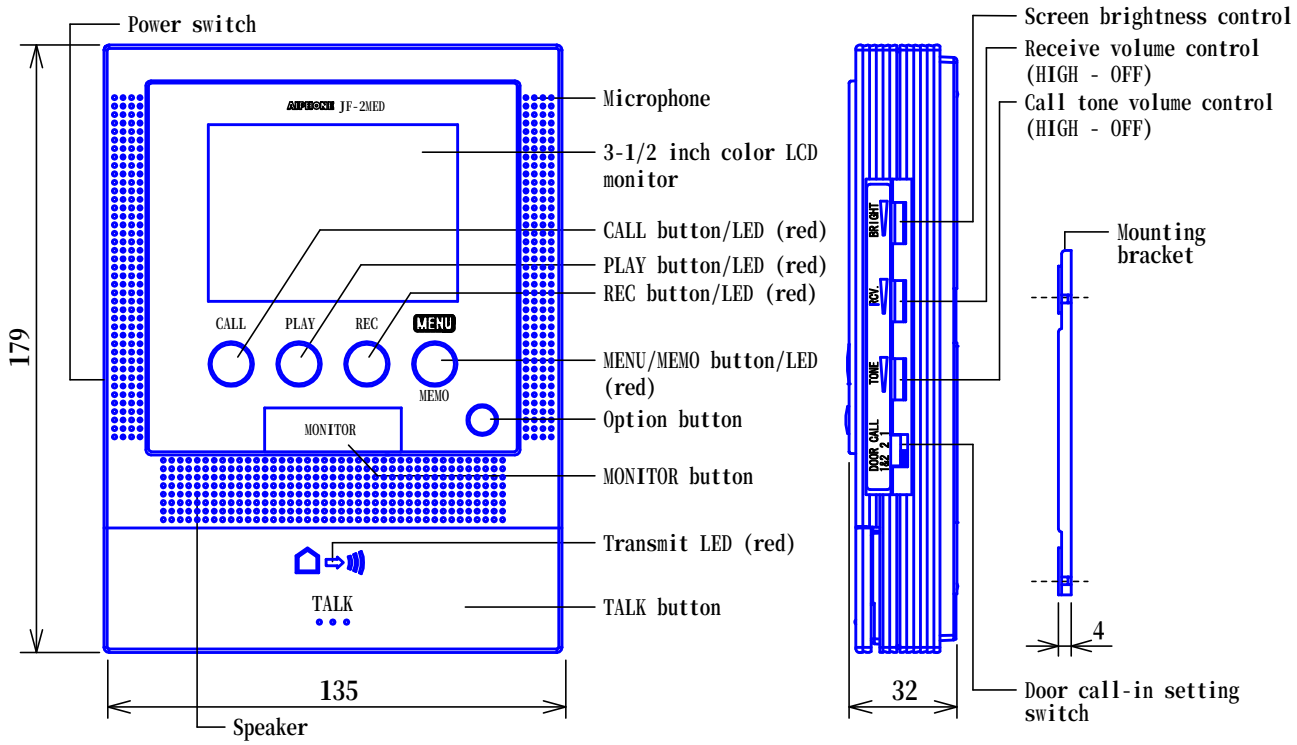
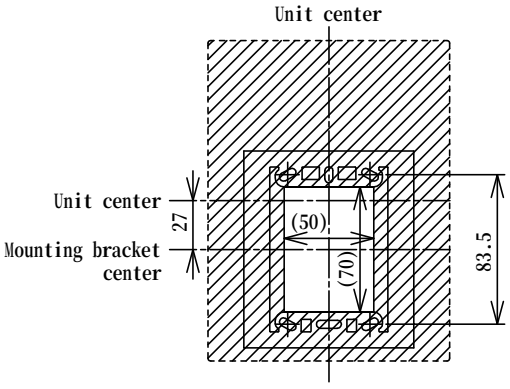
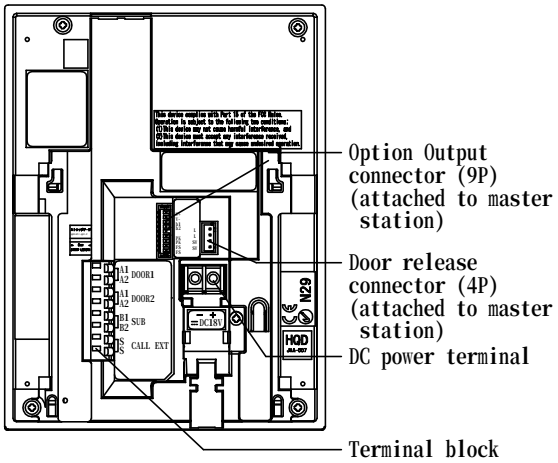
■PRODUCT DRAWING



●MOUNTING



( ): Opening cut out on the wall.



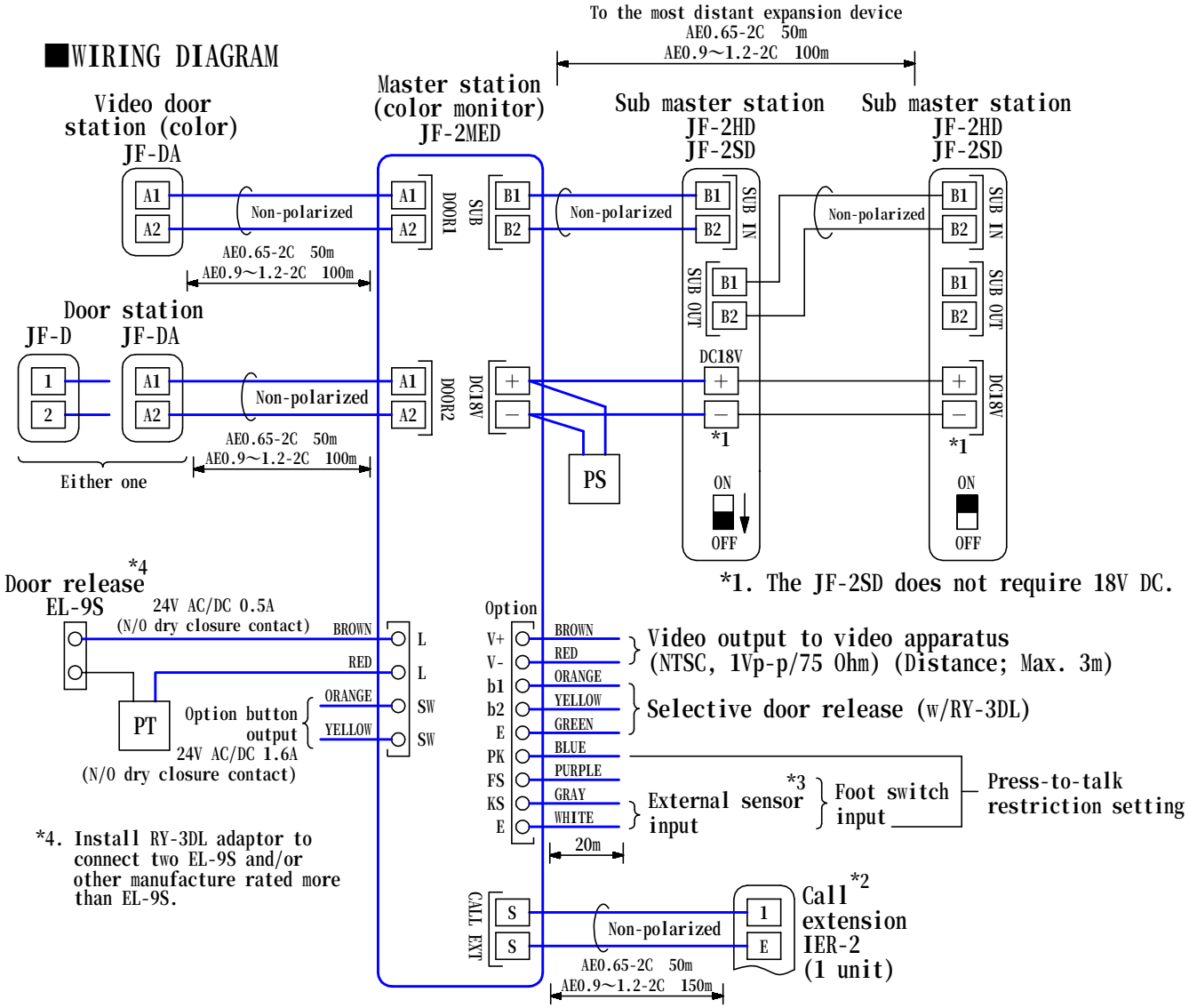
DESCRIPTION	FIG. NAME		UNIT	DATE
MASTER STATION (Color monitor)	PRODUCT DRAWING		mm	12 October, 2006
MODEL NO.	FIG.NO.	PAGE	REVISION	AIPHONE
JF-2MED	50759-1-5	1/5	1	

■SPECIFICATIONS

Power source	18V DC, Supplied from a power supply	
Power consumption	400mA (max.)	
Video monitor	3-1/2 inch TFT color LCD	
Pixels	120,000 pixels	
Type of communication	Open voice hands-free auto-voice actuation or Press-to-talk communication	
Station capacity	Video door station: 2 units Audio door station: 1 unit	Total 2 units
	Sub station (w/monitor): 2 units Audio sub station: 2 units	Total 2 units
	Call extension: 1 unit	
External sensor input	1 input (N/O dry closure contact)	
	Notification sound	
Picture memory	50 pictures (8 shots/picture)	
Save picture	10 pictures	
Door release contact	24V AC/DC, 0.5A (N/O dry closure contact)	
Call tone	Door: 4 selections	
	Between inside station: Pre-tone & voice direct	
Ambient temperature	0～40°C	
Mounting	Surface wall mount	
Electrical box	Single-gang box	
Housing	Unit case: Fire-retardant ABS plastic	
	Acrylic panel: Fire-retardant plastic	
Weight	Approx. 440g(0.97lbs.)	
Unit color	Panel: Metallic silver	
	Front case: Snow white(5Y9.3/0.1 Munsell Approximation)	

DESCRIPTION	FIG. NAME		UNIT	DATE
MASTER STATION (Color monitor)	SPECIFICATIONS		mm	2 October, 2006
MODEL NO.	FIG.NO.	PAGE	REVISION	
JF-2MED	50759-2-5	2/5	1	AIPHONE

■WIRING DIAGRAM



*1. The JF-2SD does not require 18V DC.

*4. Install RY-3DL adaptor to connect two EL-9S and/or other manufacture rated more than EL-9S.

PS : 18V DC, PS-1820 or PS-1810DIN power supply

PT : AC transformer

*2. The Call extension makes the following sounds

Call tone	The same sound as the call tone setting
Notification tone	Pororororon

External sensor input specifications

Input method	N/O dry closure contact
	External sensor input (start signal only detection method)
Detection confirmation time	100 mSec or more
Contact resistance	During dry closure: Less than 700Ω
Terminal short current	Less than 10mA
Voltage between terminals	Less than DC 20V (when open between terminals)

*3. When the output of the External sensor has polarity, set to KS (+) or E (-) and connect.

■RESTRICTIONS

- Due to hands-free auto-voice actuation system, smooth voice switching may be hindered by voice strength of the opponent or ambient noise, etc.
- One Call extension can be connected. However instant voice call of door station is not available from Call extension.
- The adjusting with call tone volume on the Master station does not vary the volume from Call extension.
- Instant voice call is not activated when calling from JF-D audio door station.

DESCRIPTION	FIG. NAME		UNIT	DATE
MASTER STATION (Color monitor)	WIRING/RESTRICTIONS		mm	2 October, 2006
MODEL NO.	FIG.NO.	PAGE	REVISION	AIPHONE
JF-2MED	50759-3-5	3/5	1	

■FUNCTIONS

- Calling door station, call stand-by approx. 45 sec.
- Hands-free auto-voice actuation communication, approx. 1 min. timed
- Transmit LED is steadily lit in red while speaking.
- Press-to-talk communication, after depressing TALK button approx. 1 sec. or more
- Instant voice call: Instant-on audio and video, upon called from door station (approx. 45 seconds)
- All-Call the inside stations (Master & Sub-master) (approx. 10 min.)
- External sensor input: When external sensor activates, monitor stations are notified by displaying icon (!), notification sounds, and flashing Transmit LED
  (door station 1 also sounds by setting)
  Reset notification by pressing CALL button or sounds stop automatically after 30 sec. by setting
- Monitoring audio/video of door station, approx. 1 min. timed.
- Transfer entrance call to another inside station
- Activating door strike: Press "MENU/MEMO" button, then press "CALL" button
- Provides video signal output while monitor is on
- Foot switch connection: Connectable external switch to operate the same operation as TALK button
- Press-to-talk restriction: Disable Press-to-talk function
- Option button: Controls external device such as entrance light

<Picture memory>

- Records call from video door station automatically (first shot is recorded after 2 seconds, and total of 8 shots per sec.) / REC LED flashes (red)
- Press REC button to record manually (total of 8 shots per sec.) / REC LED flashes (red)
- Max. 50 pictures can be recorded (automatic and manual recording), (max. 8 shots per picture)
- Save max. 10 pictures

<Voice Memo>

- Leave messages internally
- Max. 3 messages can be recorded (approx. 15 sec. per message)

<Message for entrance>

- Recorded messages can be played from door station by operation of monitor station
- Max. 2 messages can be recorded (approx. 10 sec. per message)

■SETTING

- Adjust Screen brightness (sliding) ····· BRIGHT (screen brightness) control
- Adjust Receive volume (HIGH - LOW) ····· RCV. (receive) volume control (Instant voice call is also adjusted)
- Adjust Call tone volume (HIGH - OFF) ····· TONE (call tone) volume control (Notification sounds is also adjusted)
- Select door call-in (1 & 2, 1, 2)····· Call-in setting switch
- Press-to-talk restriction····· Option connector Short-circuit PK (Blue) and E (White)

<Setting before use>

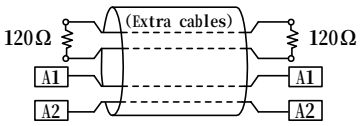
- Language (English/French/German/Spanish/Dutch)
- Date/Time
- Screen background color (Black/Orange/Green/Blue)
- Door station Call tone (♪1 to ♪4 for each door 1 and 2)
- Door station 2 (Video/Audio/None)
- Door release (on/off)
- External sensor input
  (The notification period: 30 sec./Continuously/Continuously, also DOOR1)

DESCRIPTION	FIG. NAME		UNIT	DATE
MASTER STATION (Color monitor)	FUNCTIONS/SETTING		mm	9 October, 2006
MODEL NO.	FIG.NO.	PAGE	REVISION	AIPHONE
JF-2MED	50759-4-5	4/5	1	

■RESTRICTIONS ON WIRING

- For wiring, it is recommended to use a single vinyl jacketed cable with PE(polyethylene) insulation. The following cables can not be used;
  - Coaxial cable
  - Individual conductors
  - Twisted pair cable
  - Cable with conductors in odd number

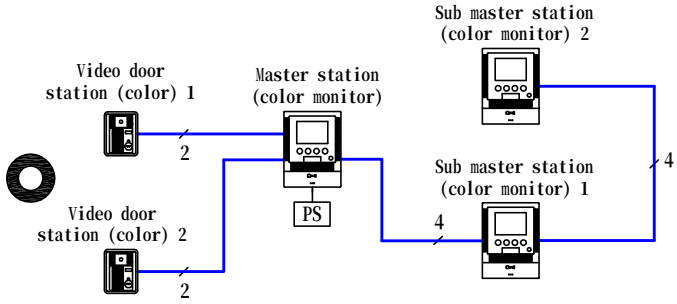
- Besides 2-conductor cable, when using a cable with extra wires, terminate with a 120 Ohm at both ends of an extra pair(s).
  (Otherwise, the system does not operate properly, affecting seriously on communication).

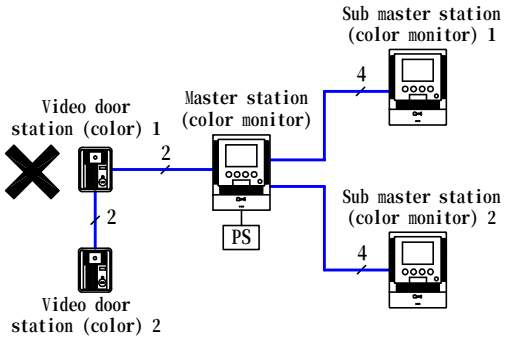


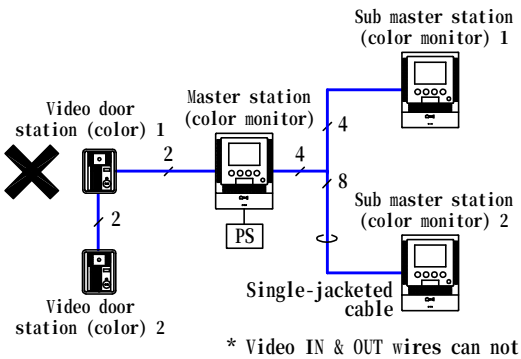
- Do not run intercom wires and door release wires in a same jacketed cable, and keep two cables more than 10cm away from each other. (The door station can not complete a call)

- Keep the intercom wires more than 30cm away from AC power lines.
  (It causes noise in communication and malfunction) When using the existing cable run, the system may not work properly by type. In that case, it becomes necessary to install a new cable.

- The Master & Sub master stations shall be wired in a Monitor-to-Monitor manner (like a line drawn with a single brush). (System does not operate properly, deteriorating image quality.)







* Do not run a separate cable from Master to each Sub master station.

* Video IN & OUT wires can not be in the same jacketed cable.

The same holds true on Audio sub station.

DESCRIPTION	FIG. NAME		UNIT	DATE
MASTER STATION (Color monitor)	RESTRICTIONS ON WIRING		mm	17 August, 2006
MODEL NO.	FIG.NO.	PAGE	REVISION	AIPHONE
JF-2MED	50759-5-5	5/5	1	