


AX Series Hands-Free Video Intercom with Integration

Video Intercoms


Door Stations & Indoor Sub Stations: mix and match up to 120



AX-DV
Video Door Station

- Fixed camera
- Aluminum die cast cover
- Weather and vandal resistant
- Surface mount


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AX-DVF
Video Door Station

- Fixed camera
- Stainless steel panel
- Weather and vandal resistant
- Flush mount (back box included)


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AX-DV-P
Card Access Video Door Station

- HID® ProxPoint® Plus Proximity Card Reader
- Fixed camera
- Aluminum die cast cover
- Weather and vandal resistant
- Surface mount


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AX-DVF-P
Card Access Video Door Station

- HID® ProxPoint® Plus Proximity Card Reader
- Fixed camera
- Stainless steel panel
- Weather and vandal resistant
- Flush mount (back box included)


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AX-DM
Audio Door Station

- Plastic chassis
- Weather resistant
- Mullion surface mount


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IF-DA
Audio Door Station

- Plastic chassis
- Weather resistant
- Surface mount


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IE-JA
Audio Door Station

- Stainless steel cover
- Weather resistant
- Flush mount (fits 2-gang box)

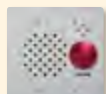
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IE-SS/A
Audio Door Station

- Stainless steel panel
- Weather and vandal resistant
- Flush mount (fits 2-gang box)


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IE-SSR
Audio Door Station

- Red mushroom call button
- Stainless steel panel
- Weather and vandal resistant
- Flush mount (fits 2-gang box)


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AX-A
Audio Sub Station

- Surface mount


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AX-AN
Privacy Audio Sub Station

- Privacy button
- Surface mount


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AX-B
Audio Sub Station

- Semi-flush mount

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AX-BN
Privacy Audio Sub Station

- Privacy button
- Semi-flush mount

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Central Exchange Units: select 1



AX-084C
Central Exchange Unit

- Supports up to 4 master stations and 8 door/sub stations

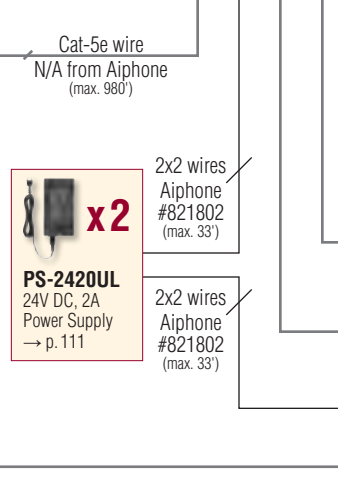
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AX-248C
Central Exchange Unit

- Supports up to 8 master stations and 24 door/sub stations

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Door Station Features

- Fixed camera provides clear visitor identification (video door stations)
- Card access door stations available

Master Station Features

- 3-1/2" LCD screen (AX-8MV, AX-8MV-W)
- Hands-free or push-to-talk communication
- Two talk channels
- Composite video output from CEU/video masters
- All Call or Group Call to master stations
- Scan monitoring

System Features

- Cat-5e wiring homerun from each station
- Selective calling between masters, and from masters to door/sub stations
- Normal or priority call levels
- Data output on CEU provides custom integration capability with CCTV and access control systems*
- PC programmable with a large variety of settings
- Transfer calls to an outside phone line (requires Viking Model K-1900-5 programmable dialer)
- Optional features: headset, footswitch, call transfer to telephone, and PC remote control*

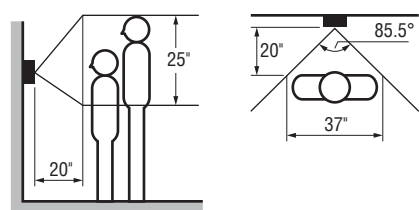
*Interface requires custom software (not supplied by Aiphone)

Dimensions

	INCHES				MILLIMETERS			
	Height	Width	Depth	Recessed	Height	Width	Depth	Recessed
AX-084C, AX-248C, AX-320C	3-7/16"	16-9/16"	13-3/16"	-	88	420	335	-
AX-8MV, AX-8M, AX-8MV-W	6-7/8"	7-5/8"	2-9/16"	-	175	194	65	-
AX-A, AX-AN	7-1/16"	5-5/8"	2-1/8"	-	180	143	53.5	-
AX-B, AX-BN	8-3/16"	6"	2"	9/16"	208	153	50.5	15
AX-DM	6-5/16"	1-11/16"	7/8"	-	160	43	22.5	-
AX-DV	7-11/16"	3-15/16"	1"	-	195	100	25	-
AX-DVF	9-11/16"	5-3/4"	*	-	246	146	*	-
AX-DVF-P	11-5/8"	5-3/4"	*	-	295	146	*	-
AX-DV-P	9-5/8"	3-15/16"	1"	-	245	100	25	-
IE-JA	4-1/2"	4-9/16"	*	-	115	116	*	-
IE-SS/A, IE-SSR	4-3/4"	4-3/4"	*	-	121	121	*	-
IF-DA	5-1/8"	3-7/8"	1-1/8"	-	130	98	28.5	-

*Aiphone recommends a 2-1/2" minimum back box depth for all flush mount stations.

Camera View Area



Master Stations: mix and match up to 8



AX-8MV
Video Master Station

- 3-1/2" LCD screen
- Wall or desk mount

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AX-8MV-W
Video Master Station
(recommended for an 8 x 8 system only)

- 3-1/2" LCD screen
- White finish
- Wall or desk mount

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AX-8M
Audio Master Station

- Wall or desk mount

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Accessories



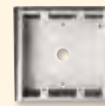
AX-16SW
16-Call Add-On Selector for AX-8MV or AX-8M
(max. 7 per master)

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HID-SS
Card Access Station with HID® ProxPoint® Plus Proximity Card Reader

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SBX-2G
Surface Mount Box for IE-JA, IE-SS/A, or IE-SSR

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KMB-45
45° Mullion Mounting Bracket for IF-DA

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SBX-AXDV30
30° Angle Box for AX-DV

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SBX-AXDVF
Surface Mount Box for AX-DVF

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SBX-DVF-P
Surface Mount Box for AX-DVF-P
(lock not included)

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LB-XDVF
Security Lock Box for AX-DV or AX-DVF
(lock not included)

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SBX-LSP
Security Lock Box for AX-DVF-P
(lock not included)

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BBX-1E
Flush Mount Back Box for AX-B or AX-BN

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AXW-AZ
CCTV Input Module

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AXW-AVT
Audio/Video Transmitter

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AXW-AVR
Audio/Video Receiver

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EL-12S
Electric Door Strike
(requires PT-1210N)

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RY-24L
Form C Door Release Relay
(for 1 door)

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AXW-PA1
Paging Adaptor

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RY-ES
External Signaling Relay

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IER-2
Call Extension Speaker

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MCW-S/A
Desk Stand for AX-8MV, AX-8MV-W, or AX-8M

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Video Intercoms

Add-On Central Exchange Unit: select up to 3 (optional)



AX-320C
Add-On Central Exchange Unit

- Supports up to 32 door/sub stations

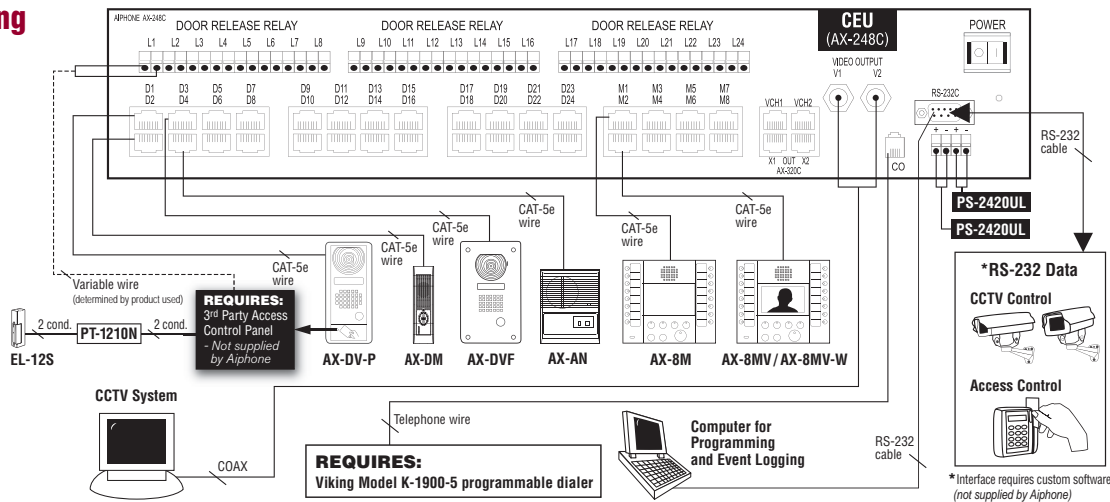
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Cat-5e wire
N/A from Aiphone
(max. 980')

Cat-5e wire
N/A from Aiphone
(max. 16')

Cat-5e wire
N/A from Aiphone
(max. 980')

Wiring



Specifications

- Power Source** 24V DC – use two PS-2420ULs
- Communication** Hands-free (VOX) or push-to-talk (simplex)
- Door Release** Programmable dry contact, 24V AC/DC, 500mA – use EL-12S (use RY-24L for larger contact rating)

- Wire Type** Between Door/Sub Station, Master Station, and Central Exchange Unit: Cat-5e
- Power Supply to Central Exchange Unit and Add-On Central Exchange Unit: 2-cond., overall shield – use Aiphone 821802
- Distance** Door/Sub Station to Central Exchange Unit and Add-On Central Exchange Unit: 980'
- Central Exchange Unit to Master: 980'
- Central Exchange Unit to Add-On Central Exchange Unit: 16'
- Power Supply to Central Exchange Unit and Add-On Central Exchange Unit: 16'(22AWG) 33'(18AWG)

AT-406 Series Components

Audio Master & Sub Stations



AT-206
White Audio Master Station
(not sold separately)

- Handset for privacy



AT-306
White Audio Sub Station

- Handset for privacy



AT-206B
Charcoal Gray Audio Master Station
(not sold separately)

- Handset for privacy
- 4' coil cord
- Designed for use in limos, RVs, boats, and other recreational vehicles



AT-306B
Charcoal Gray Audio Sub Station
(not sold separately)

- Handset for privacy
- 4' coil cord
- Designed for use in limos, RVs, boats, and other recreational vehicles

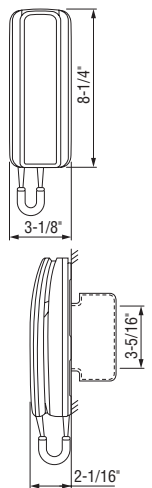
Features

- Call button on master rings all the subs
- Power supply or battery powered
- Sub(s) ring master only

Specifications

Power Source	6V DC – use SKK-620C or 4 AA batteries
Communication	Handset (full-duplex)
Wire Type	Master Station to Sub Station: 2-cond., overall shield – use Aiphone #822202
Distance	2-Station Set: 2,300'(22AWG) 5,250'(18AWG) Master Station to 3rd Sub Station: 1,350'(22AWG) 3,100'(18AWG)

AT-206, AT-206B, AT-306, AT-306B



AX Series Components

Central Exchange Units



AX-084C
Central Exchange Unit

- Supports up to 4 master stations and 8 door/sub stations



AX-248C
Central Exchange Unit

- Supports up to 8 master stations and 24 door/subs stations



AX-320C
Add-On Central Exchange Unit

- Supports up to 32 door/sub stations

Features

- Wiring hub for AX system using Cat-5e
- Two 24V DC power supply input terminals
- Rack mountable

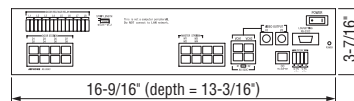
Features (additional for AX-084C, AX-248C)

- Controls all functionality of AX system
- Two BNC composite video outputs and video switching triggers
- CO line transfer (requires Viking K-1900-5 programmable auto-dialer)
- Programmable functionality via supplied software

Specifications

Power Source	24V DC – use two PS-2420ULs
Consumption	Video: 0.62A max. Audio: 0.65A max.
CO Line Port	RJ11 for Viking K-1900-5 programmable auto-dialer
Door Release	Programmable dry contact, 24V AC/DC, 500mA – use EL-12S (use RY-24L for larger contact rating)
Mounting	19" EIA rack (2U) or wall mount
Wire Type	Between Door/Sub Station, Master Station, and Central Exchange Unit: Cat-5e
Distance	Door/Sub Station to Central Exchange Unit and Add-On Central Exchange Unit: 980' Central Exchange Unit to Master: 980' Central Exchange Unit to Add-On Central Exchange Unit: 16' Power Supply to Central Exchange Unit and Add-On Central Exchange Unit: 16'(22AWG) 33'(18AWG)

AX-084C, AX-248C, AX-320C



Master Stations & Add-On Selector



AX-8MV
Video Master Station

- 3-1/2" LCD screen
- Wall or desk mount



AX-8MV-W
Video Master Station
(recommended for an 8 x 8 system only)

- 3-1/2" LCD screen
- White finish
- Wall or desk mount



AX-8M
Audio Master Station

- Wall or desk mount



AX-16SW
16-Call Add-On Selector for AX-8MV or AX-8M
(max. 7 per master)

Features

- Hands-free or push-to-talk communication
- Two talk channels
- Composite video output from CEU/video master stations
- All Call or Group Call to master stations
- Scan monitoring

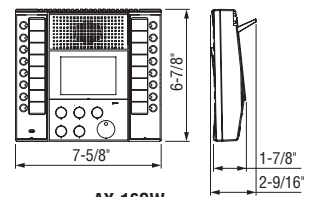
Features (AX-16SW)

- Provides ability to select/call 16 additional door stations
- Aesthetically matches AX-8M or AX-8MV

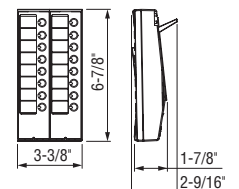
Specifications (AX-8MV, AX-8MV-W, AX-8M)

Power Source	Supplied by Central Exchange Unit
Communication	Hands-free (VOX) or push-to-talk (simplex)
Video Display	AX-8MV, AX-8MV-W: 3-1/2" LCD screen AX-8M: N/A
Door Release	Programmable dry contact, 24V AC/DC, 500mA – use EL-12S (use RY-24L for larger contact rating)
Mounting	Surface mount directly to wall or desk mount – use MCW-S/A for an adjustable desk angle
Wire Type	Between Door/Sub Station, Master Station, and Central Exchange Unit: Cat-5e
Distance	Central Exchange Unit to Master Station: 980'

AX-8M, AX-8MV, AX-8MV-W



AX-16SW



Specifications (AX-16SW)

Power Source	Supplied by Master Station
Calling Capacity	16 door/sub stations
Unit Capacity	Max. 7 for up to 112 additional door/sub stations (max. 120 door/sub stations per system)
Mounting	Mounts directly to Master Station or other AX-16SW with supplied brackets
Wire Type	Add-On Selector to Master Station: Cat-5e (included with AX-16SW)