

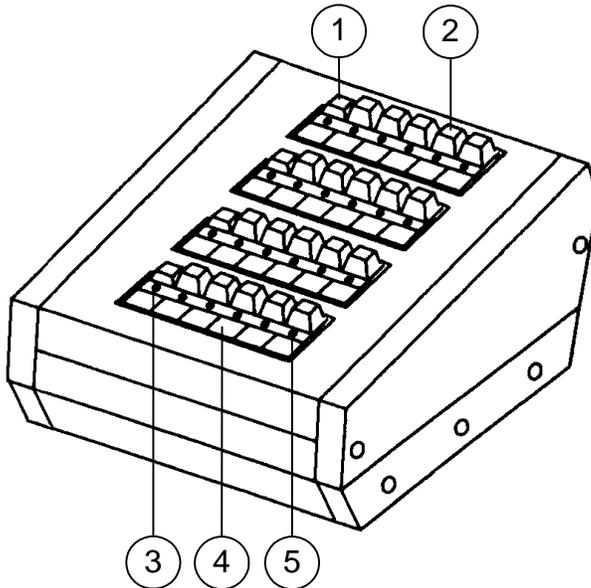
AP-nAS/C

Add-on Selectors for the AP-M/C High Powered System

AP-10AS/C, 10-call AP-20AS/C, 20-call AP-40AS/C, 40-call

- INSTRUCTIONS -

The AP-10AS/C, AP-20AS/C and AP-40AS/C add-on selectors are designed to function with the AP-M/C High Powered System. Multiple add-on selectors can be added to a master station along with a variety of sub stations to create a communication system tailored to a user's needs. All standard AP-M system accessories can be used in conjunction with the add-on selectors.



NAMES & FUNCTIONS:

1. OFF button
2. Selector button
3. OFF LED
4. Directory card
5. Station selector LED

AP-nAS/C TERMINAL DEFINITIONS:

- 1~40 Station number
E Common communication

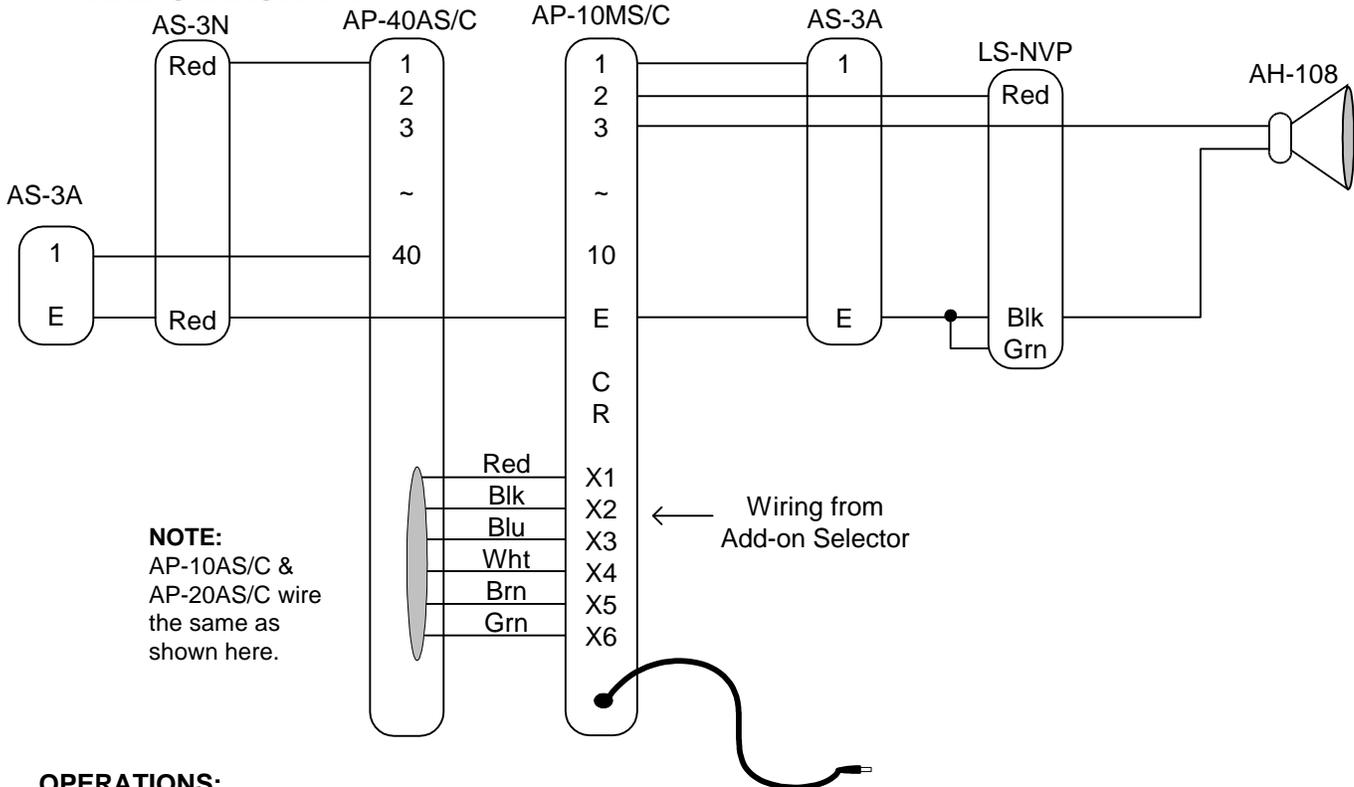
Individual Components for System:

AP-nM/C	Master station modified for add-on selector connection
AS-3A	Desk or wall mount sub station
AS-3WA	2-call desk or wall mount sub station
AS-3N	Ceiling mount sub station
NP-B	Call button
AH-108	8 ohm, 10 Watt horn speaker
LS-NVP	Vandal resistant sub station
LS-NVP-W	Vandal and weather resistant sub station
SBX-NVP	Surface mount box for LS-NVP and LS-NVP-W

SPECIFICATIONS:

Power Source:	110V AC
Power Consumption:	45W (Max.), 4W (Standby)
Communication Output:	300mW at 8 or 16 ohms (receive from subs and master to master) 10W at 8 or 16 ohms (transmit to subs)
Communication:	Push-to-talk, release-to-listen (TALK button on master), hands free at sub station.
Calling:	Master to sub or other master: By voice (TALK on master) or tone (CALL on master) Sub to master: Call button on sub activates tone and LED at master, remaining lit for approximately 20 seconds.
Wiring:	One pair homerun from sub stations (Single call subs to nearest master, dual call subs to both masters) 2 pair plus one pair for each station; master to master Twisted cable is required. Shielded cable is recommended.
Wiring Distance:	510' with 22AWG; 1,225' with 18AWG.

WIRING DIAGRAM:



NOTE:
AP-10AS/C &
AP-20AS/C wire
the same as
shown here.

OPERATIONS:

*** POWER SWITCH MUST BE ON FOR THE SYSTEM TO BE OPERATIONAL.**

• Receiving a call from a sub station:

1. Sub station calls in with mono-electronic tone, heard as long as call button at sub is depressed.
2. LED light corresponding to calling station will light at master, staying on approximately 20 seconds.
3. Depress station button with lit LED.
4. Press TALK button on the master to speak, and release to listen.
5. Press OFF button to the left of the station selector button when the call is concluded.

• Calling a sub or master station:

1. Depress station number of the location you wish to call.
2. Press TALK on the master to speak, and release to hear reply.
3. If you wish to send a pre-announce tone to the called station, press the CALL button on the master. A mono-electronic tone will be heard at the called station.
4. Press OFF button to the left of the station selector button when the call is concluded.

• Receiving a call from another master station:

1. When one master calls another master, no station LEDs light up, and the responding master answers hands free. The calling master uses the TALK button to speak.
2. The "occupied lamp" will be on while the initiating master has a station selected.
3. The responding master should not press any buttons to respond to another master's call.

IMPORTANT:

- * Do not attempt to install or connect wires on the system while the system's power cord is plugged in.
- * AP-M masters and related equipment, unless specified as "weather resistant", are designed for indoor use only. Door station (LS-NVP-W) may be installed outdoors in a protected area. Do not expose any equipment directly to rain or extreme weather conditions.
- * Any other manufacturer's products installed with the system (power supply, external device, etc.) are not covered under Aiphone's warranty.
- * Do not mount AP-M equipment in the following places, as it may cause the system to malfunction:
 - High or extreme cold temperature areas: under direct sunlight, near equipment that varies in temperature, in front of air conditioner, inside a refrigerated area, etc.
 - Places subject to moisture or humidity extremes.
 - Places subject to environmental conditions, such as dust, oil, chemicals, salt, etc.
- * Severe weather conditions, such as lightning storms, may cause damage to AP-M equipment. We recommend that power surge protection be installed to minimize potential component level damage.
 - SA-1 surge arrestors should be installed on all communication lines (one SA-1 for every two connected to master.).

TOLL FREE TECHNICAL SUPPORT:

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*For additional information about this system,
please refer to the standard AP-M instructions.*