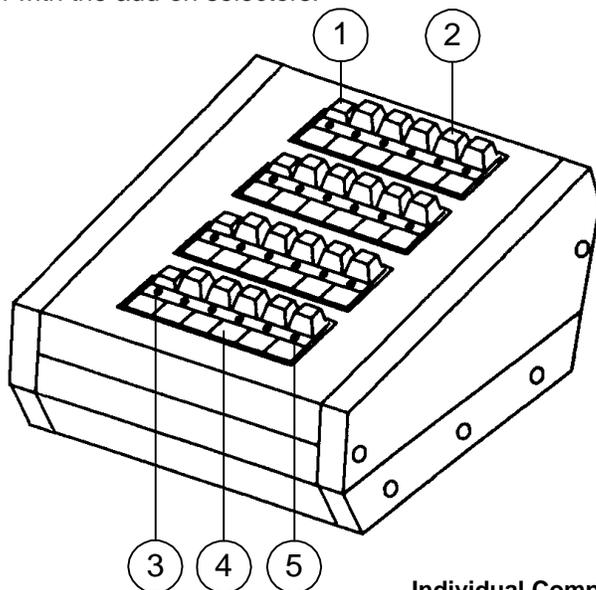


LA-nAS

Add-on selectors for the LAF-C/E Console masters.
LA-20AS, 20-call LA-40AS, 40-call

- INSTRUCTIONS -

The LA-20AS and LA-40AS add-on selectors are designed to function with LAF-C Console Masters, Type "E" or later. 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 LAF and LEF 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

L-nAS TERMINAL DEFINITIONS:

- + Positive 12V DC
- Negative
- 1-40 Station number
- E Common communication

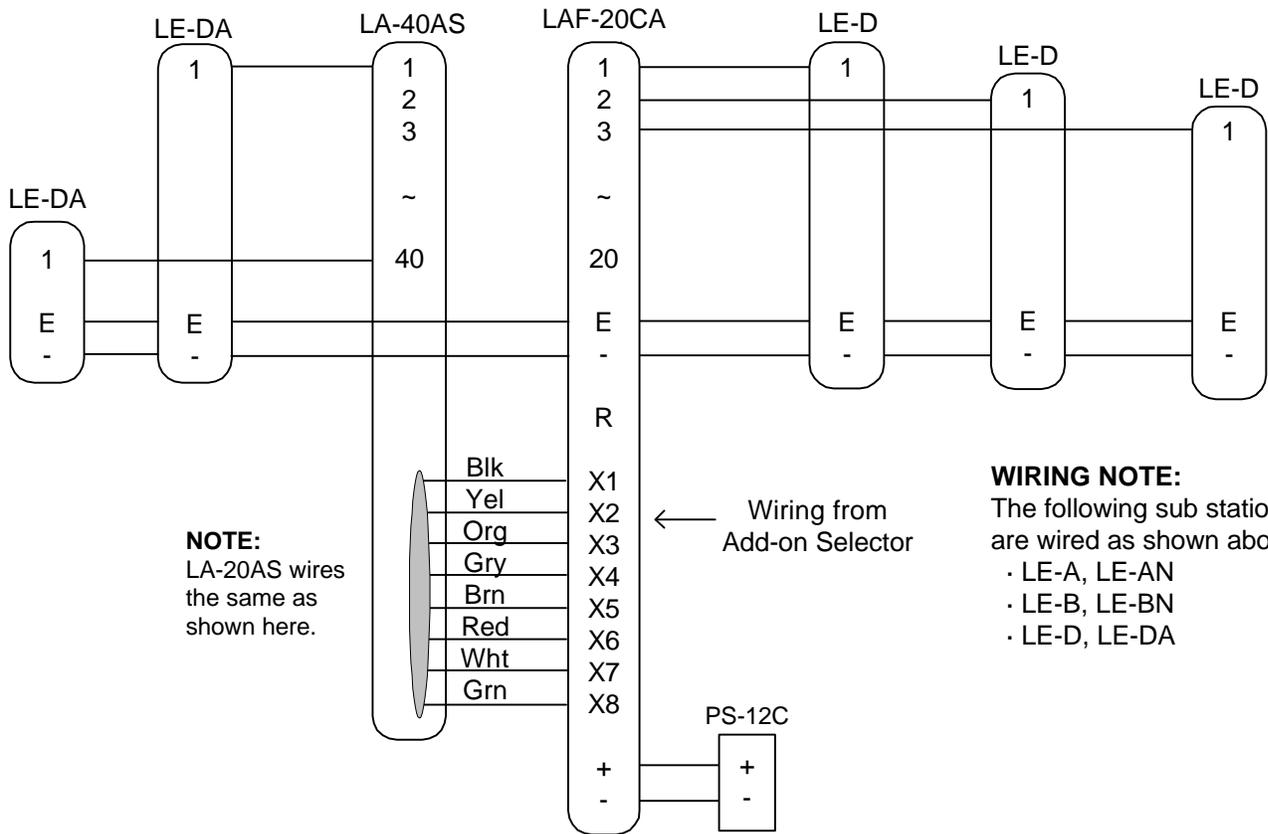
Individual Components for System:

- LAF-nC Console type master (20, 40 call capacity)
- LAF-nCA Console type master w/handset (20, 40 call capacity)
- LA-20AS 20-call Add-on Selector
- LA-40AS 40-call Add-on Selector
- PS-12C 12V DC, 1A Power Supply
- BG-10C All Call, Chime and music adaptor. (1 required per 10 stations)
- PS-12F 12V DC, 2.5A Power Supply (1 Required per BG-10C)
- LS-NVP Vandal proof sub station (flush mount)
- LS-NVP-W Weather resistant vandal proof sub station (flush mount)
- SBX-NVP Surface mount box for LS-NVP and LS-NVP-W
- LE-series Any model sub station with LE- prefix

SPECIFICATIONS:

- Power Source: 12V DC at master. Use PS-12C, or PS-12F when BG-10C(s) are included (1 PS-12F per BG-10C)
- Communication Output: 800mW at 20 ohms (receive); 500mW at 20 ohms (transmit)
- Communication: Push-to-talk, release-to-listen (TALK button), or VOX handset at master. Hands free at sub station.
- Calling: Master to sub or other master: By voice (TALK) or tone (TALK & ALL CALL simultaneously)
 Sub to master: Call button on sub activates tone and LED at master, remaining lit for approximately 20 seconds.
- Wiring: 2 conductors homerun to sub station (1-Master system only), 3-conductor, or loop multi-conductor with 2 common + 1 individual wire per sub station on wire run.
Shielded cable is recommended.
 Use Aiphone #822202, 2 cond. 22AWG; #821802, 2 cond. 18AWG or #822203, 3 cond. 22AWG; #822206, 6 cond. 22AWG. LA-nAS to ea. BG-10C: Aiphone #822220, 20 cond. 22AWG.
- Wiring Distance: 650' with 22AWG; 1,600' with 18AWG.
- Dimensions: LA-20AS: 10-1/4" x 7" x 5-1/2".
 (H x W x D) LA-40AS: 10-1/4" x 12-7/8" x 5-1/2".

WIRING DIAGRAM:



CAUTION

- * Do not connect any AC wires to any terminal on any unit, as fire or unit damage may occur. Connect only specified power source on +, - terminals.
- * Do not install more or different power sources than specified for the system.
- * Do not attempt to install or connect wires on LAF-C system while the system's power supply is plugged in.
- * L-nAS add-on selectors and related equipment, unless specified as "weather resistant", are designed for indoor use only. Door stations (LE-D, LE-DA, LE-DL, LS-NVP-W) may be installed outdoors.

IMPORTANT

- * There is no need to disassemble the equipment for installation. Do not access the PC boards inside the units unless properly qualified.
- * Any other manufacturer's products installed with the system (power supply, external signalling device, etc.) are not covered under Aiphone's warranty.
- * Do not mount L-nAS 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.
- * L-nAS units are electronic devices, which must not be subjected to water or any other liquid.
- * Severe weather conditions, such as lightning storms, may cause damage to LAF-C equipment. We recommend that power surge protection be installed to minimize potential component level damage.
 - Additional SA-1 surge arrestors should be installed on all communication lines (one SA-1 for every two wires connected to master.) See SA-1 instructions for further information.

Aiphone Communication Systems
 1700 130th Ave. N.E.
 Bellevue, WA 98005
 (425) 455-0510
 FAX (425) 455-0071

TOLL FREE TECHNICAL SUPPORT:
 (800) 692-0200
TOLL FREE FAX LINE:
 (800) 832-3765
TECHNICAL SUPPORT E-MAIL:
 tech-serv@aiphone.com

*For additional information about this system,
 please refer to the LAF-C instructions.*