

# LAF-C/CA

## Console Intercom System

**DESCRIPTION:**

The LAF-C and LAF-CA console intercom system provides communication with up to 120 remote locations. One or multiple masters can be used, along with a variety of remote stations. Masters are available in 20 and 40 station sizes, with or without a handset. Add-on selectors of 20 or 40 stations can be connected to expand the system's capacity.

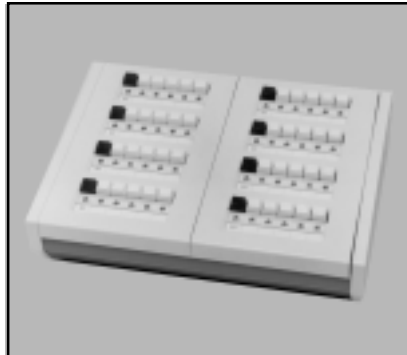
**FEATURES:**

- Expandable to 120 stations
- Simple two-way communication with remotes or other master stations
- Call tone and LED to indicate call from remote
- Optional All Call or Background Music (requires BG-10C & PS-12F per 10 stations)
- Press-to-talk operation, or voice actuated with handset (LAF-CA models)
- Hands free communication at remote



**LAF-20CA**

**LA-40AS**



**SOME APPLICATIONS:**

- *Parking Garages or Lots*
- *Automotive Service Centers*
- *Office Buildings*
- *Schools*
- *Prisons*
- *Warehouses*
- *Manufacturing Facilities*
- *Commercial Facilities*

**SPECIFICATIONS:**

Power Source: DC 12V. Use PS-12C or PS-12F power supply.  
 Current Consumption: 350mA Maximum  
 Power Output: 500mW (transmit); 800mW (receive)  
 Calling: Mono-electronic tone while call button is pressed, plus LED for 20 seconds  
 Communication: Press-to-talk at calling master, or VOX (voice actuated) with handset  
 Hands free at remote or responding master  
 Talk Channel: Single talk channel  
 Wiring: 1 Master system: 2 cond. homerun from each sub. Use wire #822202 or #821802.  
 Multi-master system: 2 common wires plus 1 individual wire per sub station, homerun. Use Aiphone #822203 or #821803.  
 Between masters: 4 common + 1 wire per station in the system. Add 4 common wires if All Call is included. Use Aiphone #82-series shielded wire.  
 Wiring Distance: 650' w/ 22AWG; 1600' w/18AWG  
 Mounting: Desk or wall mount  
 Dimensions (HxWxD):  
 LAF-20C: 5-1/2" x 13-5/8" x 10-1/4"      LA-20AS: 5-1/2" x 6-15/16" x 10-1/4"  
 LAF-20CA: 5-1/2" x 17-9/16" x 10-1/4"      LA-40AS: 5-1/2" x 12-7/8" x 10-1/4"  
 LAF-40C: 5-1/2" x 19-1/2" x 10-1/4"  
 LAF-40CA: 5-1/2" x 23-7/16" x 10-1/4"

# LAF-C/CA Console Master Loudspeaker Intercom System

## SPECIAL ORDER PRODUCTS:

### Master Stations

LAF-20C	20-call Master station
LAF-20CA	20-call Master station w/handset
LAF-40C	40-call Master station
LAF-40CA	40-call Master station w/handset

### Add-on Selectors

LA-20AS	20-call Add-on selector
LA-40AS	40-call Add-on selector

### Sub Stations

LS-NVP/A	Vandal proof, weather resistant sub station
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### Accessories

BA-1	Paging adaptor
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## STANDARD PRODUCTS:

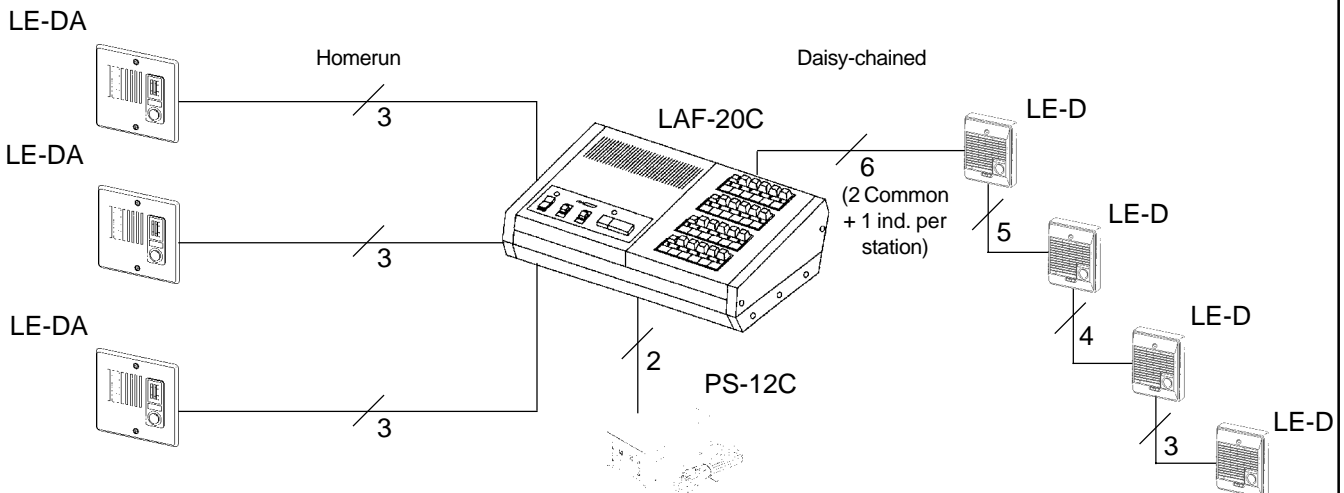
### Sub Stations

LE-A	Sub station, surface mount
LE-AN	Sub station, surface mt. w/privacy
LE-B	Sub station, semi-flush mount
LE-BN	Sub station, semi-flush mt. w/privacy
LE-D	Door station, surface mt.
LE-DA	Door station, flush mt. stainless steel
LE-DL	Door station, surface mt. metal
AH-108	10W 8 ohm horn w/ built-in capacitor
SP-20N	Ceiling speaker sub (req's NP-25V)

### Accessories

NP-B	Call button
NP-W	Surface mount box for NP-B
NP-25V	33mfd, 25V, non-polarized capacitor
RY-AC	External signaling relay
SBX-NVP	Surface mount box for LS-NVP/A
SSB-2	Ceiling support bridge for SP-20N
PS-12C	12V DC power supply, 1A
PS-12F	12V DC power supply, 2.5A
BG-10C	All Call/Chime/Music Adaptor, 1 per 10 stations in the system

## SYSTEM LAYOUT EXAMPLE:



NOTE: Homerun or daisy-chain wiring is acceptable.

## ARCHITECTS/ENGINEERS' SPECIFICATIONS:

The intercom system shall be of an open voice, selective calling type, available in 20 or 40 station sizes, with 20 and 40 station add-on selectors for expansion capability.

Master station shall have individual selector buttons with associated LEDs for call-in indication, and a directory for station labeling. A call-in shall light the LED for approximately 20 seconds and activate a momentary call tone. The call shall be answered by pressing the station's selector button, then pressing the TALK button to transmit, releasing to listen. The person at the remote speaks hands free. The system shall provide master-to-master communication with hands free reply from the responding station.

Master station shall be a console type, equipped with power ON/OFF switch, transmit and receive volume controls, CALL and TALK buttons. Station selectors shall be in rows of five, with an OFF button for each row. An "Occupied" LED shall indicate if the system is in use. All Call transmission from a master shall be available with additional equipment.

Compatible remote stations shall include surface or flush mount styles, with or without privacy, outdoor stations, and vandal proof stations.

System shall be manufactured by Aiphone.

Sold by:



LAF-C/CA (2)