AIPHONE®

LEF Series

Communication, Paging, and Entry Security System





Homes | Offices | Schools | Industrial Facilities

Features & Benefits

- **Mix and match a variety of stations**
  Up to 11 components can be intermixed to create the desired communication solution
- **Complements CCTV system**
  Visitors can be seen with CCTV cameras while communicating via the intercom
- **PTT and hands-free communication**
  Calls are made with push-to-talk operation and answered with hands-free communication
- **LED and call-tone indicators**
  LED lights and call tones at the master station indicate which door/sub station is calling
- **Selective door release**
  When visitors are confirmed, doors can be unlocked with the push of a button
- **Selective Call and Optional All Call**
  Provides the option to call one station at a time or to call all stations at once
- **Indoor and outdoor speakers**
  Announcements can be heard throughout the facility where speakers are installed
- **Reliable and designed to last**
  Customers can rely on this system with trouble-free use for years to come



Ideal Applications



Homes



Offices



Schools



Industrial Facilities

Components - Mix and match up to 11 door / master / sub stations

Door Stations



LE-D
Audio Door Station
- Plastic chassis
- Surface mount
- Fits 1-gang box
  4-3/4"H
  3-7/16"W
  1-1/8"D



LE-SS-1G
Audio Door Station
- Stainless steel panel
- Flush mount
- Fits 1-gang box
  4-1/2"H
  2-3/4"W
  2-1/2"D
  (back box depth)



LE-DA
Audio Door Station
- Stainless steel cover
- Flush mount
- Fits 2-gang box
  4-1/2"H
  4-9/16"W
  2-1/2"D
  (back box depth)



LE-SS/A
Audio Door Station
- Stainless steel panel
- Flush mount
- Fits 2-gang box
  4-3/4"H
  4-3/4"W
  2-1/2"D
  (back box depth)



LE-SSR
Audio Door Station
- Red mushroom call button
- Stainless steel panel
- Flush mount
- Fits 2-gang box
  4-3/4"H
  4-3/4"W
  2-1/2"D
  (back box depth)



LE-SSV
Audio Door Station
- Built-in CCTV camera
- Stainless steel panel
- Flush mount
- Fits 2-gang box
  4-3/4"H
  4-3/4"W
  2-1/2"D
  (back box depth)



LS-NVP/C
Audio Door Station
- Powder-coated steel panel
- Flush mount
- Fits 3-gang box
  7-1/2"H
  5-1/2"W
  2-1/2"D
  (back box depth)

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

Master Stations



LEF-3
3-Call Audio Master Station
- Surface mount
  7-1/16"H
  5-5/8"W
  2-1/8"D



LEF-3L
3-Call Audio Master Station
- Selective door release
- Surface mount
  7-1/16"H
  5-5/8"W
  2-1/8"D



LEF-5
5-Call Audio Master Station
- Selective door release
- Surface mount
  8-1/8"H
  7-1/2"W
  2-3/16"D



LEF-10
10-Call Audio Master Station
- Selective door release
- Surface mount
  8-1/8"H
  7-1/2"W
  2-3/16"D



LEF-10S
10-Call Audio Master Station
- All Call button *(requires BG-10C)*
- Selective door release
- Surface mount
  8-1/8"H
  7-1/2"W
  2-3/16"D



LEF-3C
3-Call Audio Master Station
- All Call button *(requires BG-10C)*
- Semi-flush mount
  8-1/4"H
  6-1/8"W
  2"D (9/16" goes inside wall)



LEF-5C
5-Call Audio Master Station
- All Call button *(requires BG-10C)*
- Selective door release
- Semi-flush mount
  9-7/16"H
  7-7/8"W
  3"D (1-1/2" goes inside wall)



LEF-10C
10-Call Audio Master Station
- All Call button *(requires BG-10C)*
- Selective door release
- Semi-flush mount
  9-7/16"H
  7-7/8"W
  3"D (1-1/2" goes inside wall)

Components - Mix and match up to 11 door / master / sub stations

Sub Stations *(includes sub stations, speakers, and paging adaptors)*



LE-A
Audio Sub Station
- Surface mount
  6-1/4"H
  5-1/8"W
  2"D



LE-AN
Privacy Audio Sub Station
- Surface mount
- Privacy button
  6-1/4"H
  5-1/8"W
  2"D



LE-A3
3-Call Audio Sub Station
- Surface mount
  7-1/16"H
  5-5/8"W
  2-1/8"D



LE-AN3
3-Call Privacy Audio Sub Station
- Surface mount
- Privacy button
  7-1/16"H
  5-5/8"W
  2-1/8"D



LE-B
Audio Sub Station
- Semi-flush mount
  8-1/4"H
  6"W
  2"D (9/16" goes inside wall)



LE-BN
Privacy Audio Sub Station
- Semi-flush mount
- Privacy button
  8-1/4"H
  6"W
  2"D (9/16" goes inside wall)



LEF-1C
Audio Sub Master Station
(requires BG-10C)
- All Call button
- Semi-flush mount
  8-1/4"H
  6"W
  2"D (9/16" goes inside wall)



SP-20N/A
Ceiling Speaker
(requires NP-25V)
- 20Ω
- Indoor use
- Flush mount
  Diameter: 12-7/8"
  Baffle Diameter: 8"



AH-108
Horn Speaker
- 8Ω, 10W
- Indoor or outdoor use
- Surface mount
  Bell Diameter: 6-1/8"
  Depth: 6-1/2"



BA-1
Paging Adaptor
(requires one amplifier per paging zone - use P30BGM, DMA2060, or DMA2120)
4-1/8"H
2-1/2"W
1-1/2"D

Power Supply



PS-1225UL
12V DC
Power Supply
(required for system)

Accessories



BG-10C
All Call, Chime, and Music Adaptor
(required for LEF-10S, LEF-3C, LEF-5C, LEF-10C, or LEF-1C)



P30BGM
30W Paging Amplifier



DMA2060
60W Paging Amplifier



DMA2120
120W Paging Amplifier



HID-SS
Card Access Station with HID® ProxPoint® Plus Proximity Card Reader
(requires a 3rd party host)



KMB-45
45˚ Mullion Mounting Bracket for LE-D



SBX-1G
Surface Mount Box for LE-SS-1G



SBX-2G
Surface Mount Box for LE-DA, LE-SS/A, or LE-SSR



SBX-2BH
Horizontal Surface Mount Box for HID-SS and one LE-DA, LE-SS/A, or LE-SSR

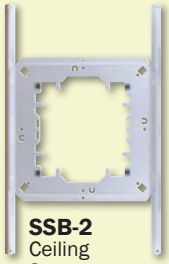


SBX-NVP
Surface Mount Box for LS-NVP/C



BBX-1E
Flush Mount Back Box for LE-B, LE-BN, LEF-1C, or LEF-3C

BBX-3E *(not shown)*
Flush Mount Back Box for LEF-5C or LEF-10C



SSB-2
Ceiling Support Bracket for SP-20N/A



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



PT-1210N
12V AC Transformer
(required for EL-12S)



RY-PA
Door Release Relay



LEW-5, LEW-10, LEW-10S
Terminal Box



NP-B
Flush Mount Indoor Call Button

NP-W
Surface Mount Box for NP-B



LT-1
20Ω-to-8Ω Matching Transformer



NP-25V
33µF, 25V Non-Polarized Capacitor



RY-AC/A
External Signaling Relay

Specifications ***IMPORTANT: Use 12V DC voltage only! Connecting AC voltage to an LEF Master Station can damage the unit.***

Spec ▼ | Model ►	LEF-3, LEF-3L, LEF-5, LEF-10, LEF-10S, LEF-3C, LEF-5C, LEF-10C	LE-A, LE-AN, LE-A3, LE-AN3, LE-B, LE-BN, LEF-1C	BG-10C
Power Source	12V DC, 300mA per active master station - use PS-1225UL	Drawn from master station	12V DC, 2.5A (uses system master)
Output	800mW @ 20Ω (receive), 500mW @20Ω (transmit)		
Wire Type	See wiring table below		
Wire Distance	Door / Sub Station to farthest Master Station: 650'(22AWG) 1,600'(18AWG)		500'(22AWG) 1,000'(18AWG)

Component	Wire #	Gauge	Conductor
▼ LEF Standard Wiring			
LEF-3	822210	22 AWG	10 cond., overall shield
LEF-5	822212	22 AWG	12 cond., overall shield
LEF-10, LEF-10S	822220	22 AWG	20 cond., overall shield
▼ LEF-1C Wiring			
Homerun to BG-10C	822212	22 AWG	12 cond., overall shield
Looped (max. 9 stations)	822220	22 AWG	20 cond., overall shield
LEF-3C	822212	22 AWG	12 cond., overall shield
LEF-5C	822215	22 AWG	15 cond., overall shield
LEF-10C	822220	22 AWG	20 cond., overall shield
BG-10C to Master	822220	22 AWG	20 cond., overall shield

Component	Wire #	Gauge	Conductor
▼ Sub / Door Station Wiring			
Homerun (22AWG)	822203	22 AWG	3 cond., overall shield
Homerun (18AWG)	821803	18 AWG	3 cond., overall shield
Looped (max. 4 stations)	822206	22 AWG	6 cond., overall shield
Looped (max. 8 stations)	822210	22 AWG	10 cond., overall shield
▼ Door Release Wiring (K Terminals)			
LEF-3L	822212	22 AWG	12 cond., overall shield
LEF-5, LEF-5C, LEF-10, LEF-10S, LEF-10C	822220	22 AWG	20 cond., overall shield
Additional Wiring for Door Release (optional)	822210	22 AWG	10 cond., overall shield

LOCAL AIPHONE EXPERTS ARE HERE TO HELP.

CONTACT US TODAY!



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