

 **AIPHONE®**

# DB Series

Hands-free Entry Security



The practical solution for  
**ACCESS CONTROL and  
internal communication**

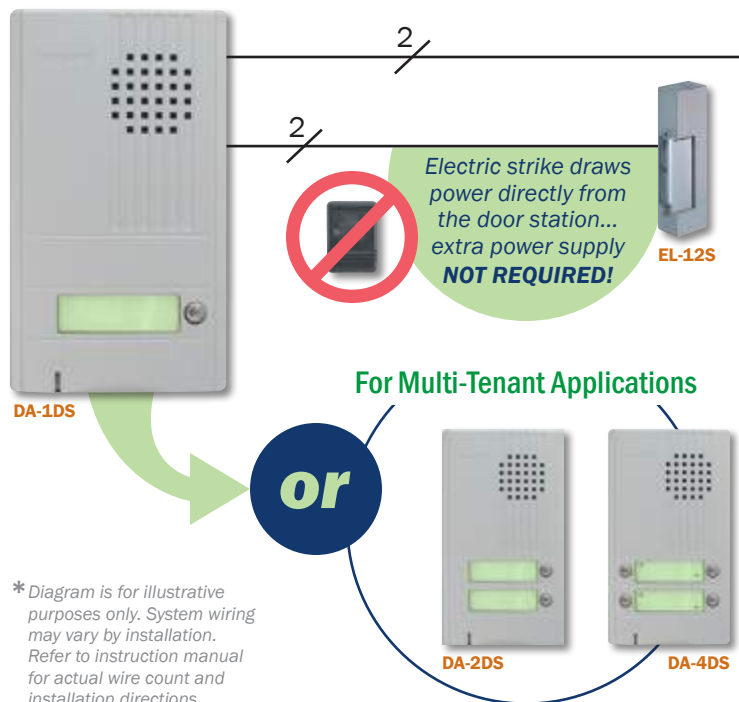
# Why the DB Series?



The **DB Series** is a superior and modern audio only entry system designed for new construction or to **replace existing audio systems.**

Providing both door entry security and internal communication, the DB Series is the practical solution for access control in the **home or office!**

## WIRING EXAMPLE\*



*\*Diagram is for illustrative purposes only. System wiring may vary by installation. Refer to instruction manual for actual wire count and installation directions.*

**ACCESS CONTROL** will keep people and assets safe inside a home or building.

**SUPERIOR SYSTEM** replaces existing audio systems with less wires and a larger capacity.

**DOOR STRIKE** draws power directly from door station so separate power supply and wire are not required.

**EASY TO INSTALL** using only 2 wires from the entrance station to the master station.

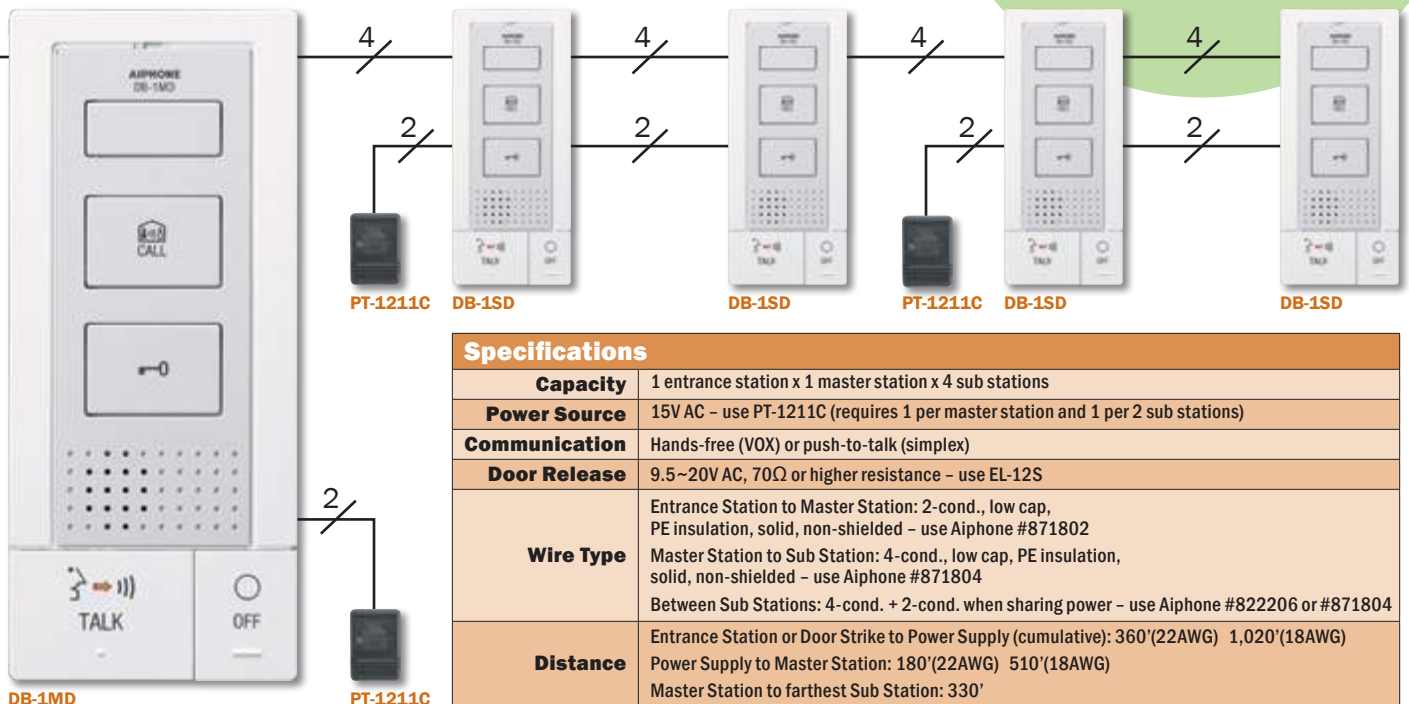
**ALL CALL** provides internal communication between stations.

**HANDS-FREE** communication is great for home or office.

**CAPACITY** is 1 entrance station, 1 master station, and up to 4 sub stations.

## INTERNAL COMMUNICATION

1 master station and up to 4 sub stations



Specifications	
<b>Capacity</b>	1 entrance station x 1 master station x 4 sub stations
<b>Power Source</b>	15V AC - use PT-1211C (requires 1 per master station and 1 per 2 sub stations)
<b>Communication</b>	Hands-free (VOX) or push-to-talk (simplex)
<b>Door Release</b>	9.5~20V AC, 70Ω or higher resistance - use EL-12S
<b>Wire Type</b>	Entrance Station to Master Station: 2-cond., low cap, PE insulation, solid, non-shielded - use Aiphone #871802 Master Station to Sub Station: 4-cond., low cap, PE insulation, solid, non-shielded - use Aiphone #871804 Between Sub Stations: 4-cond. + 2-cond. when sharing power - use Aiphone #822206 or #871804
<b>Distance</b>	Entrance Station or Door Strike to Power Supply (cumulative): 360'(22AWG) 1,020'(18AWG) Power Supply to Master Station: 180'(22AWG) 510'(18AWG) Master Station to farthest Sub Station: 330'

# DB Series Features & Functions



DA-1DS

## 2 WIRE INSTALLATION

- Easy installation using only 2 wires from door to master
- Utilizes existing doorbell wires



## DOOR STRIKE (EL-12S)

- Wired directly to door station using only 2 wires
- Separate power supply not needed for strike
- 12V AC/DC, 200mA



## BOX SET (DBS-1A)

- Added convenience in this all-in-one kit
- Set includes 1 single-call door station, 1 master station, & 1 power supply

## POWER & ACCESSORIES

- PT-1211C: AC transformer, 15V AC
- IER-2: Call extension speaker
- RY-ES: External signaling relay



PT-1211C



IER-2



RY-ES



DA-2DS



DA-4DS

## ENTRANCE STATIONS (DA-1DS/2DS/4DS)

- 1, 2, and 4-call stations available
  - Surface mount and weather resistant
  - Customizable back-lit directory
- 6-7/8"H 4"W 7/8"D



## SUB STATION (DB-1SD)

- Up to 4 additional sub stations
  - 4 wires between sub stations
  - Hands-free communication
  - Option button for external device
  - All Call to master and sub stations
  - Electric door release
  - Surface mount to wall or desk mount using MCW-S/A
- 7-1/4"H 3-1/8"W 1-1/16"D



## MASTER STATION

(DB-1MD - shown with optional MCW-S/A)

- Hands-free communication
  - Option button for external device
  - All Call to sub stations
  - Electric door release
  - Surface mount to wall or desk mount using MCW-S/A
- 7-1/4"H 3-1/8"W 1-1/16"D

## DESK STAND (MCW-S/A)

- Alternative to wall mounting
  - Pre-drilled mounting holes
  - Adjustable to 45° & 60° angles for better viewing
- 6"H 4-6/16"W 6-1/2"D



45°



60°

DB Series Brochure  
08/2016  
Digital Copy



GS-35F-0065L

ISO-14001  
Certified



Aiphone Co. Ltd.

ISO 9001:2008  
Certified



Aiphone Corp.

Deming  
Prize



Aiphone Co. Ltd.

The information in this brochure is subject to change without notice.