Installation Manual

Wireless Adapter

for 1812 and 1830 Series Entry Systems

1815-560-J-3-13

1812 Series

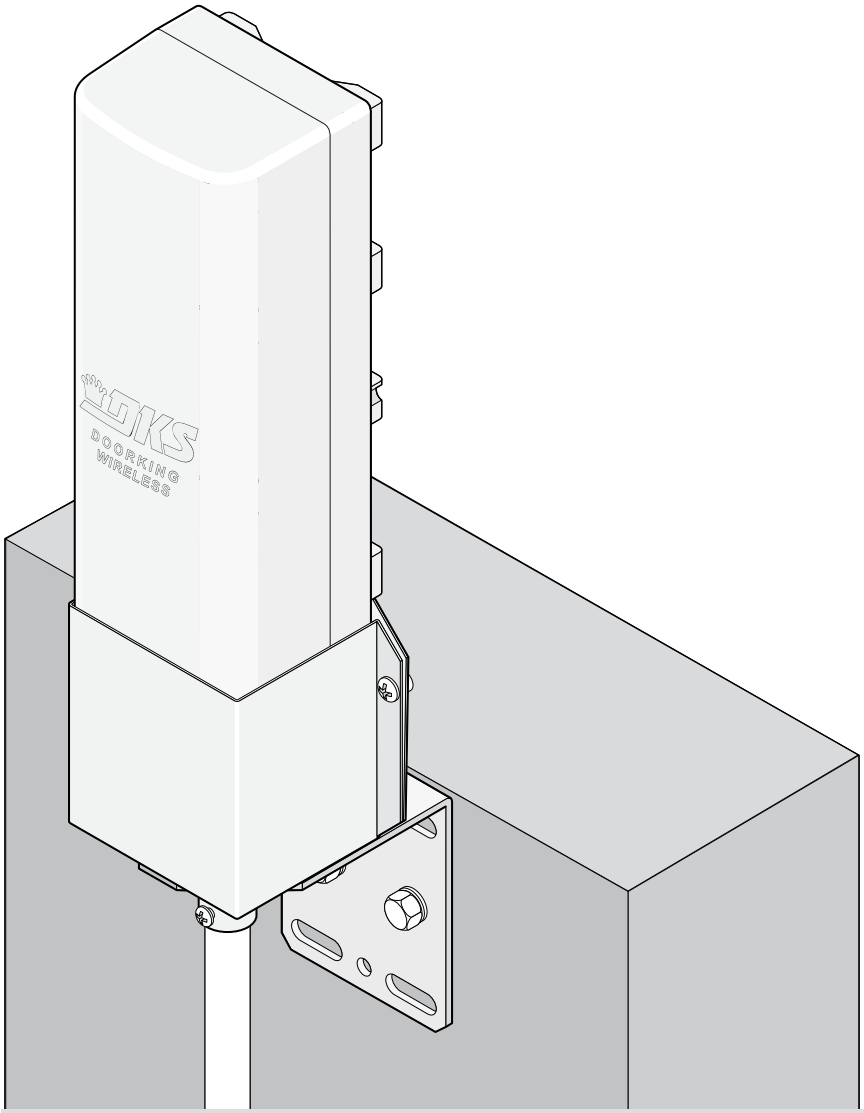
1812 Classic: Use with circuit board 1871-010 Rev S or higher.
1812 Plus: Use with circuit board 1971-010 Rev P or higher.
1812 Access Plus: Use with circuit board 1970-010 Rev P or higher.

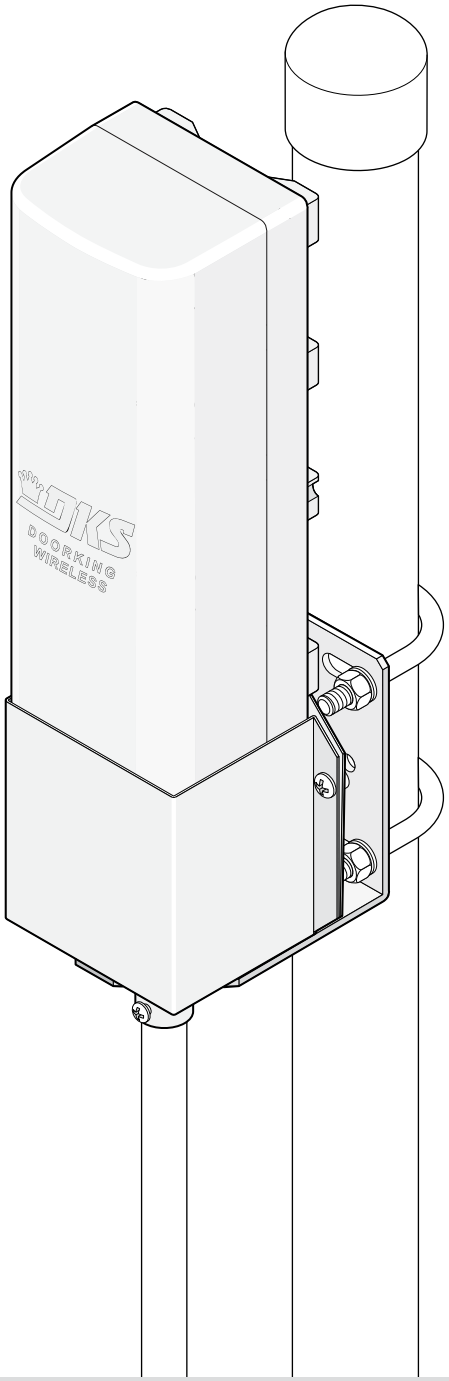
1830 Series

1833: Use with circuit board 1833-010 Rev E or higher.
1834: Use with circuit board 1834-010 Rev E or higher.
1835: Use with circuit board 1835-010 Rev E or higher.
1837: Use with circuit board 1837-010 Rev E or higher.

DoorKing Part Numbers

1815-510	**1815-511**	**1815-512**
1 Remote	2 Remotes	3 Remotes





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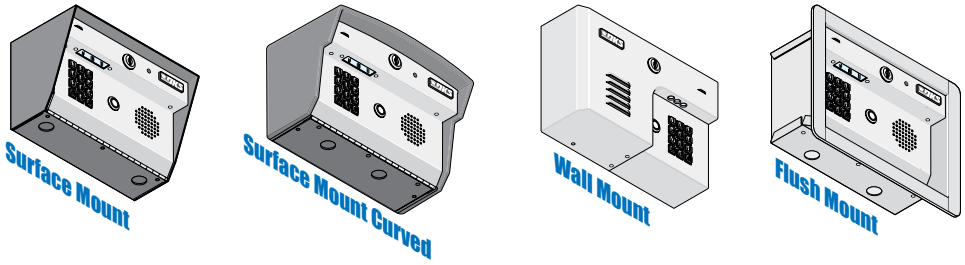

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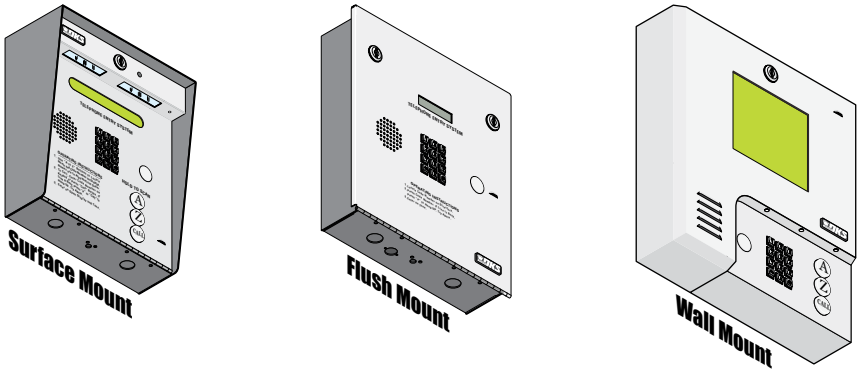

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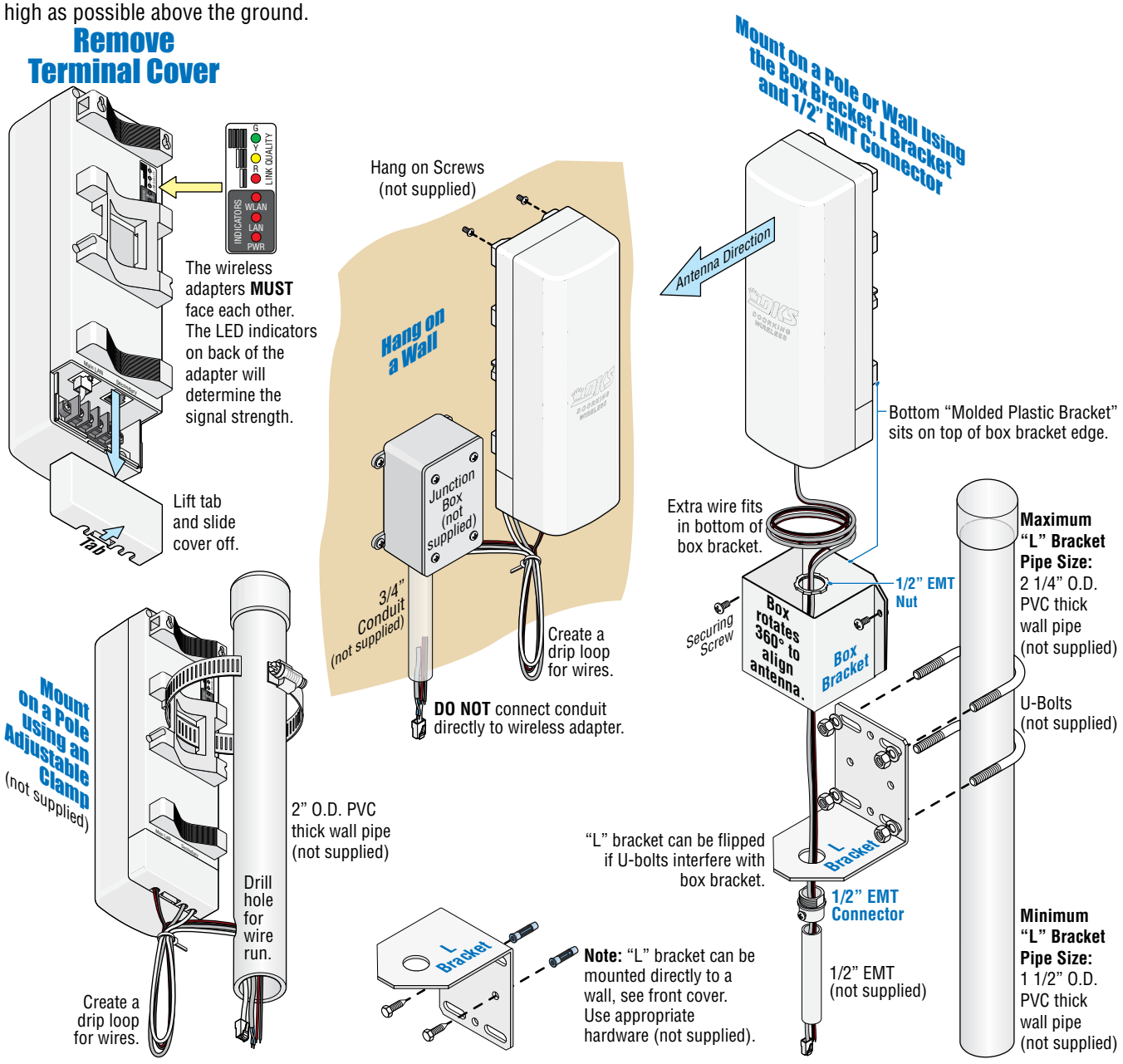
1812 Series Telephone Intercom/Access Control System

DoorKing's wireless adapter kit is designed to **transfer Voice, PC Data and Video information** from a 1812 residential telephone intercom/access control system to a residence's home phone, home computer network system (new or existing) wirelessly. The wireless system has been pre-configured to interface with a home computer network system with "Plug and Play" functionality (computer network for 1812 Access Plus ONLY).

This versatile wireless system can be setup for minimal system options now and be expanded in the future, as your needs may increase. The next page shows different system configurations that can be setup. After choosing a configuration that suits your needs, the remote and home adapter setup pages will show you what you will need for your chosen system configuration and how it is wired. Page 9 and 10 shows the "**Basic**" 1812 programming required to get the wireless 1812 system functioning and "**Basic**" resident operating information. **See 1812 Installation/Owner's manual and Access Plus programming software for complete programming and operating information.**

Adapter Cover Removal and Mounting Options

Install the wireless adapters so the antennas face each other, in a location that is **NOT** surrounded by metal and is in free air as high as possible above the ground.



1812 System Configuration Options

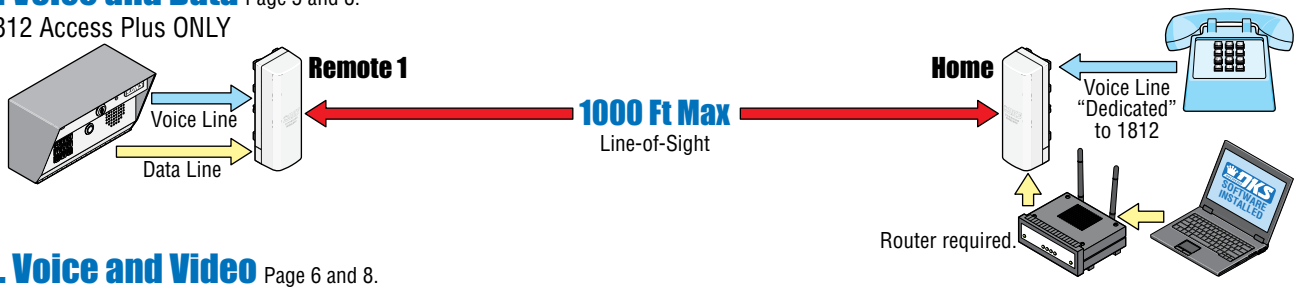
The 1812 has many different ways it can function. See the next 5 pages for specific wiring and mounting information once you have determined how you want your system to be configured.

1. Voice Only Page 4 and 8.

1812 Classic, 1812 Plus and 1812 Access Plus Models

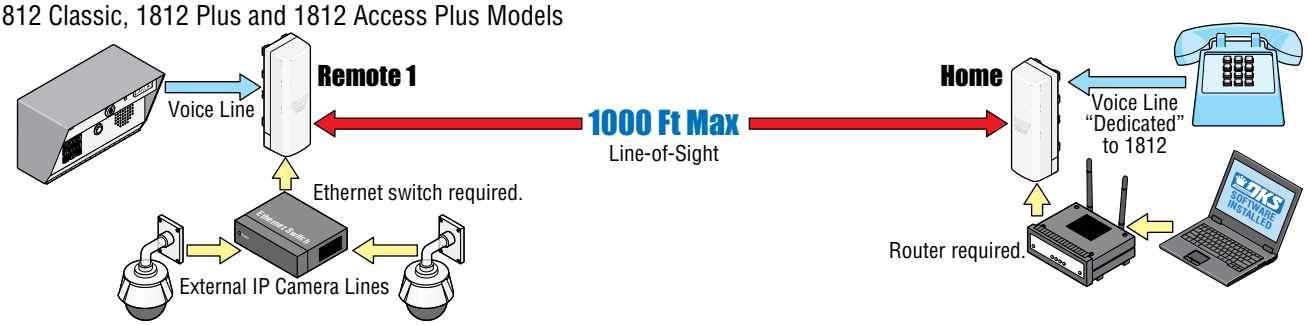
2. Voice and Data Page 5 and 8.

1812 Access Plus ONLY



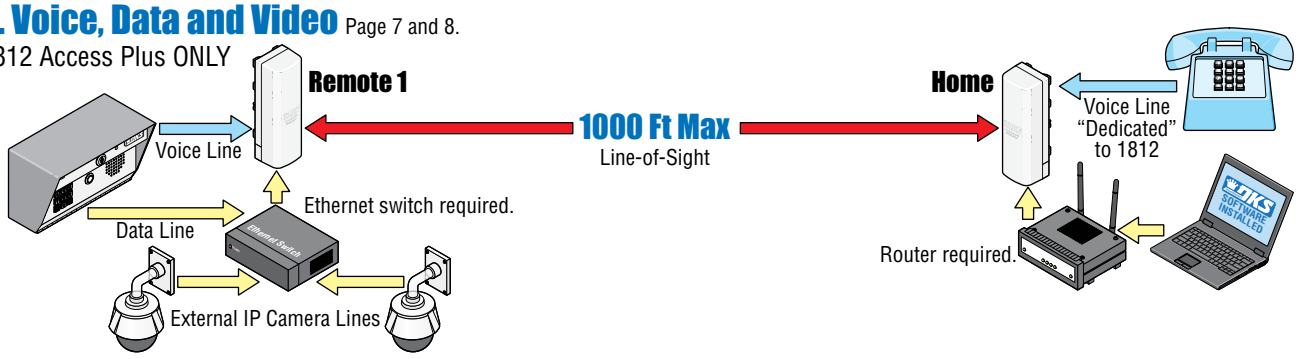
3. Voice and Video Page 6 and 8.

1812 Classic, 1812 Plus and 1812 Access Plus Models



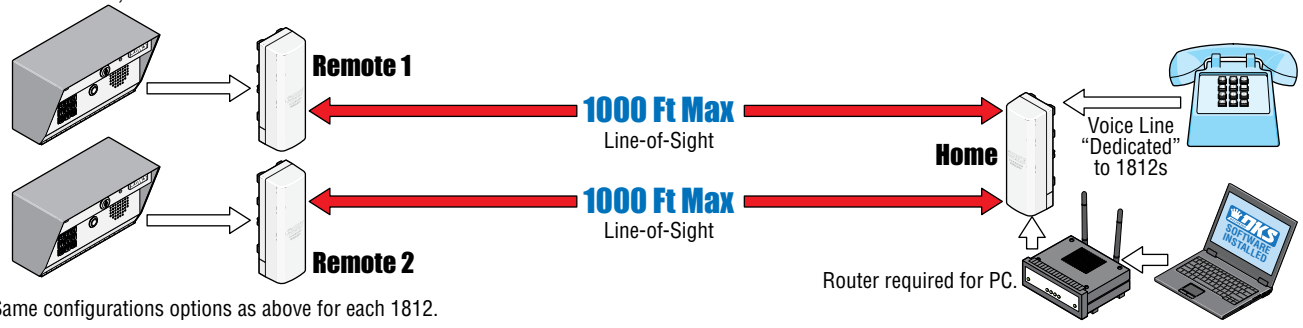
4. Voice, Data and Video Page 7 and 8.

1812 Access Plus ONLY



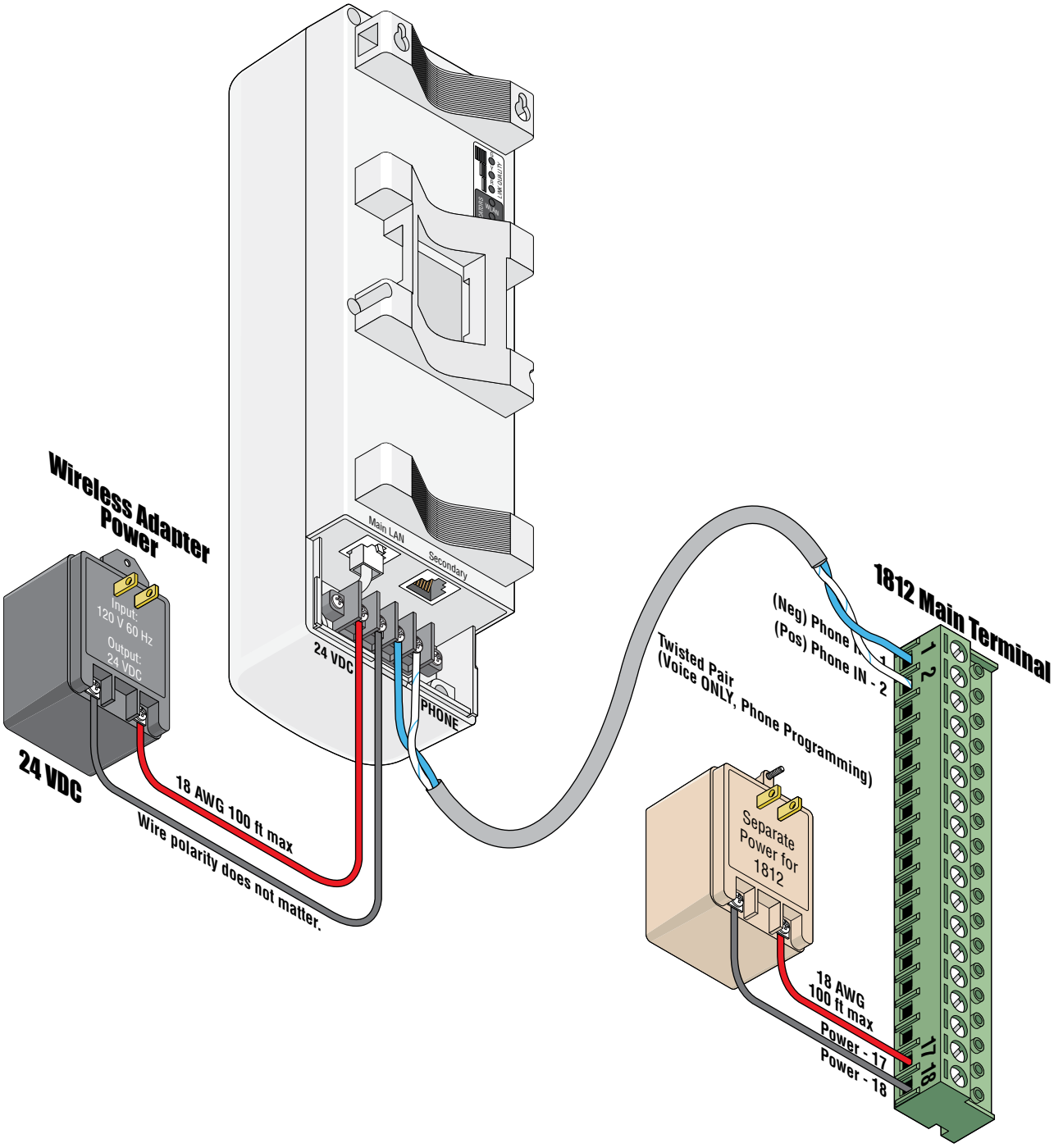
Multiple 1812s (Two or Three)

1812 Classic, 1812 Plus and 1812 Access Plus Models



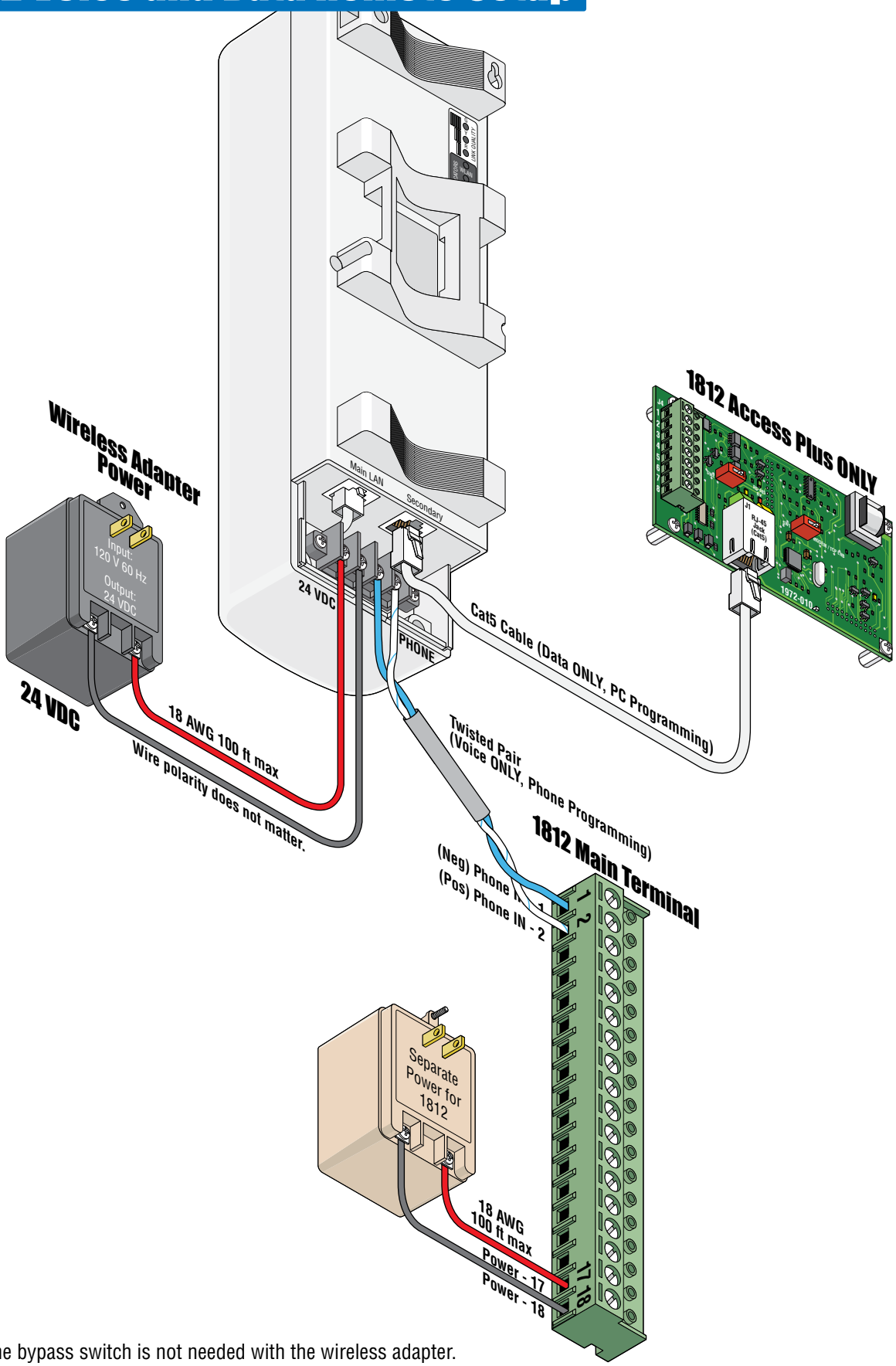
Same configurations options as above for each 1812.

1812 Voice Only Remote Setup



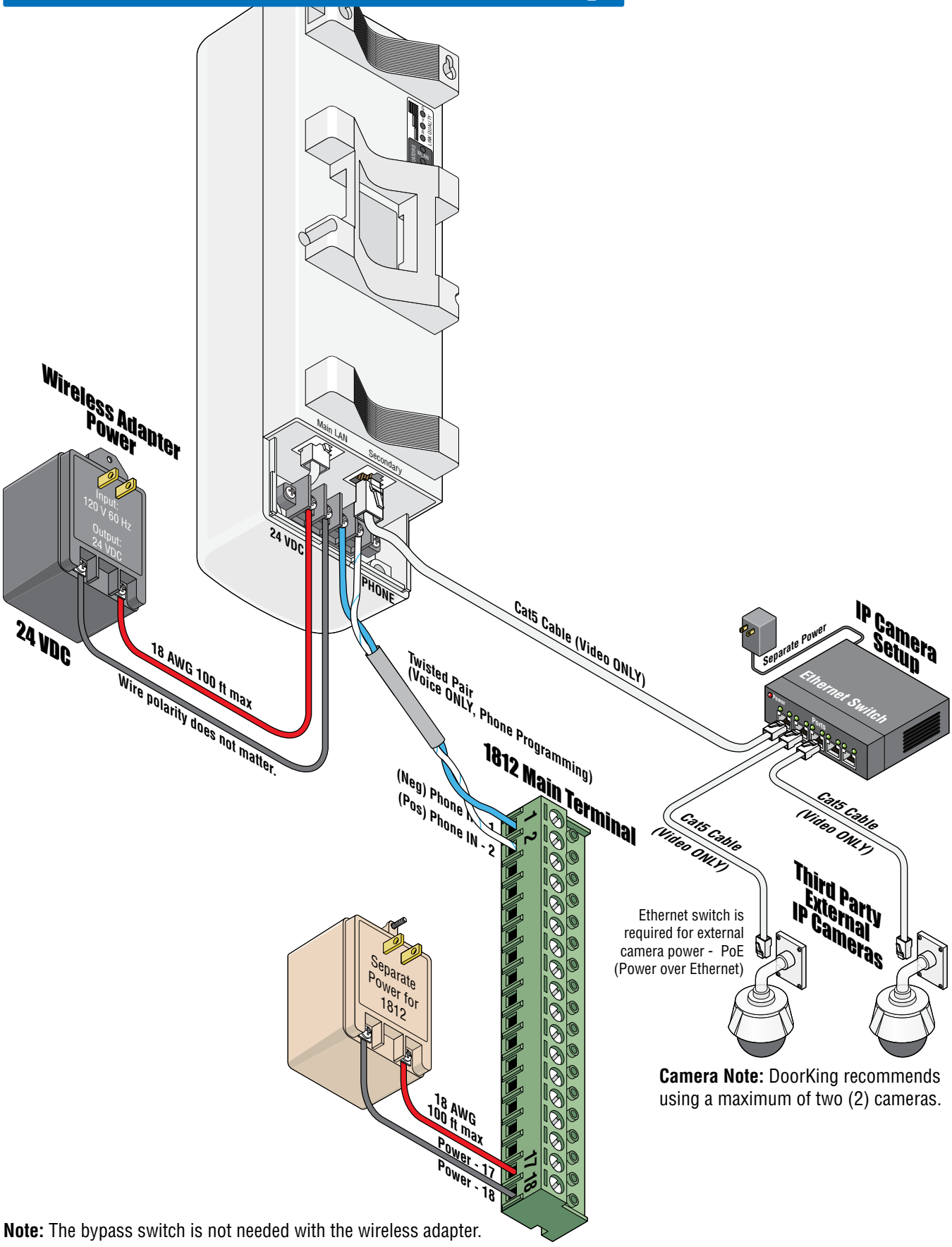
Note: The bypass switch is not needed with the wireless adapter.

1812 Voice and Data Remote Setup



Note: The bypass switch is not needed with the wireless adapter.

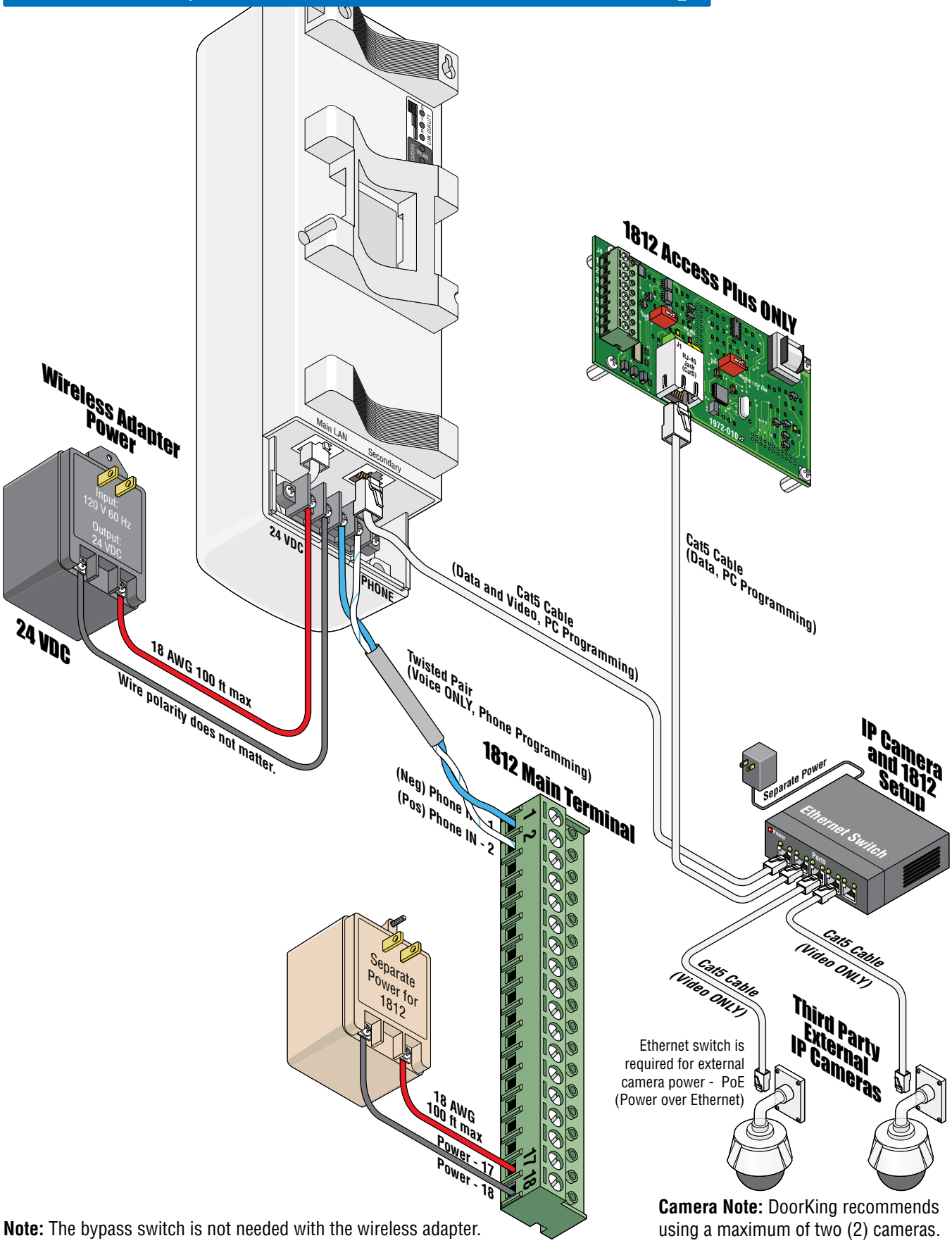
1812 Voice and Video Remote Setup



Camera Note: DoorKing recommends using a maximum of two (2) cameras.

Note: The bypass switch is not needed with the wireless adapter.

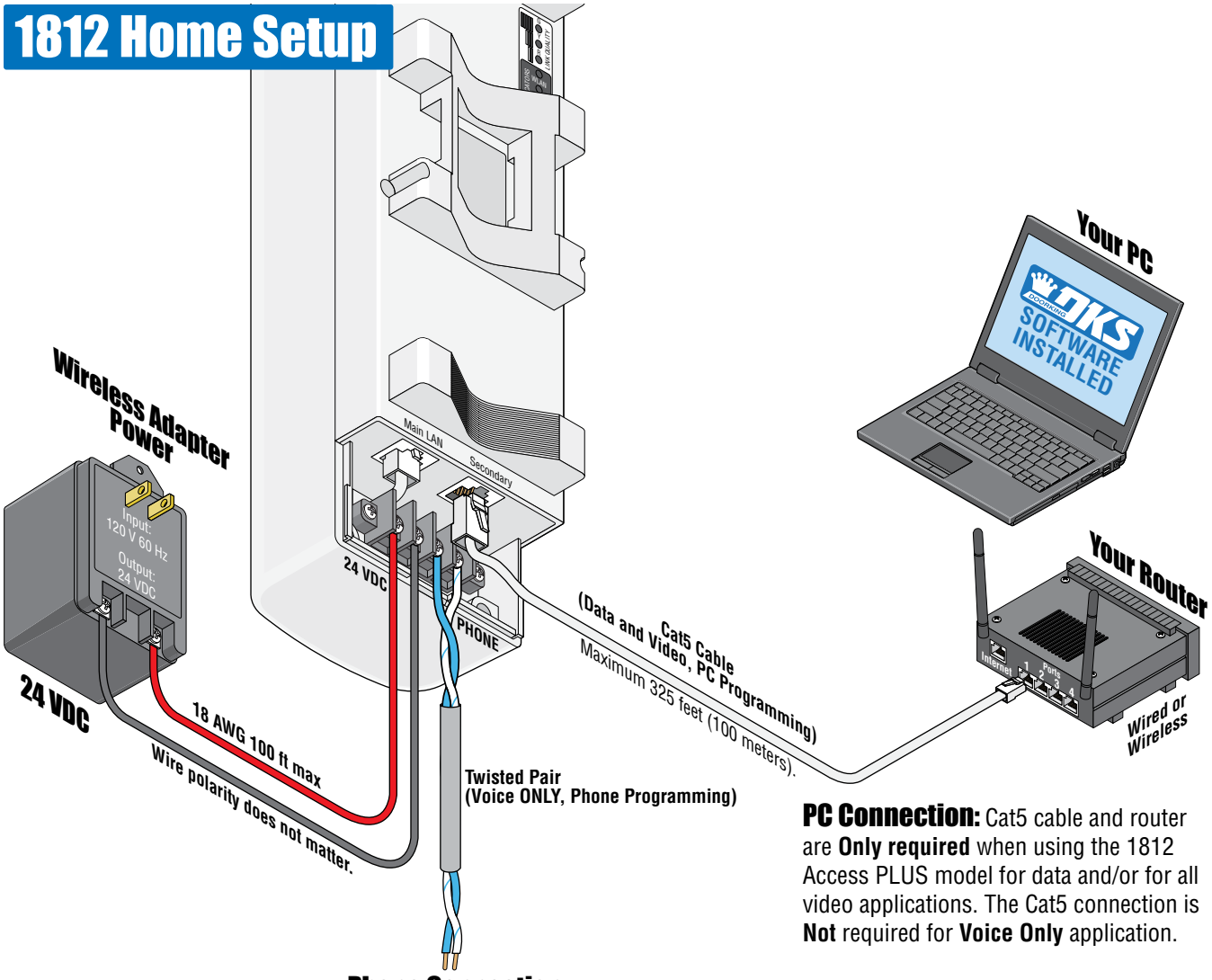
1812 Voice, Data and Video Remote Setup



Note: The bypass switch is not needed with the wireless adapter.

Camera Note: DoorKing recommends using a maximum of two (2) cameras.

1812 Home Setup



PC Connection: Cat5 cable and router are **Only required** when using the 1812 Access PLUS model for data and/or for all video applications. The Cat5 connection is **Not** required for **Voice Only** application.

Phone Connection

IMPORTANT: All 3 types of phone connections create a "virtual telephone network", independent of any existing telephone service. There is **NO connection with outside telephone lines** so the bypass switch is not needed with the wireless adapter.

#1 - At least a 2-line home phone system **dedicating** the unused "**Line 2**" to the 1812. **No** outside phone service available.

#1

Demarcation Point

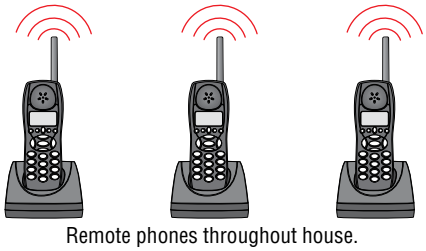
Home Phone Connection

OR

#2 - Directly to a **dedicated** telephone base station. **No** outside phone service available.

#2

Cordless Phone Base Station

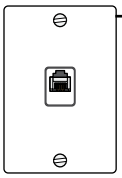


Remote phones throughout house.

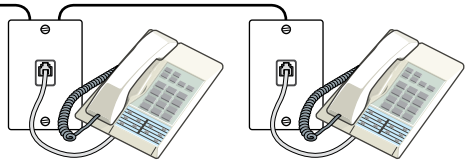
OR

#3 - Directly to an **existing** phone jack from the **unused** LAN phone line in the home. Typically used when the resident is using a cell phone instead of a LAN line for phone service. **No** outside phone service available.

#3



Phone Jack



Phones plugged into phone jacks throughout house.

1812 "Basic" Programming

The 1812 wireless system has **NO connection with outside telephone lines.** Call Forward, Dialing Outside Phone Numbers and Modem Communication features are **NOT** available when using the 1812 with the wireless adapter.
For complete operating instructions, see the **Installation/Owner's Manual** for your chosen 1812.

1812 Programming for Voice Connection

Master Code

A 4-Digit master code must be programmed in the 1812 before any programming can be performed. See the **Installation/Owner's Manual** for your chosen 1812 if you are unfamiliar with this basic programming information.

Phone Mode Programming

Factory setting is 1 (Phone Mode). The wireless adapter **WILL NOT** function in the Intercom Mode and should not need to be re-programmed. Make sure step 2 is 1 ***.**

1. Press * 0 6 and enter the MASTER CODE. **[* 0 6 _ _ _ _ (beep)]**
2. Press 1 * for phone mode. **[1 *(beep)]**
3. Press 0 # TOGETHER to end. **[0 # (beeeeeep)]**

Call Forward Programming

This needs to be programmed. There is NO factory setting for this.

1812 Plus and 1812 Access Plus ONLY:

1. Press * 3 7 and enter the MASTER CODE. **[* 3 7 _ _ _ _ (beep)]**
2. Press 1 * to always call forward. **[1 *(beep)]**
3. Press 0 # TOGETHER to end. **[0 # (beeeeeep)]**

1812 Classic ONLY:

1. Press * 1 4 and enter the MASTER CODE. **[* 1 4 _ _ _ _ (beep)]**
2. Press 1 * to enable call forward. **[1 *(beep)]**
3. Press 0 # TOGETHER to end. **[0 # (beeeeeep)]**

Call Forwarding Phone Number Programming

You must program a remote adapter to dial the house when the "CALL" button is pressed on the 1812 by programming "0" **instead** of a phone number.
Note: "0" - Calls the house, **"1"** - Calls remote #1, **"2"** - Calls remote #2, **"3"** - Calls remote #3.

1. Press * 1 0 and enter the MASTER CODE. **[* 1 0 _ _ _ _ (beep)]**
2. Enter "Call the House" - zero (0), then press *. **[0 *(beep)]**
3. Press 0 # TOGETHER to end. **[0 # (beeeeeep)]**

Hang Up Tone Number Programming – Not necessary for 1812 Classic

Factory setting is 0. Re-program this only if you desire a different number.

1. Press * 1 7 and enter the MASTER CODE. **[* 1 7 _ _ _ _ (beep)]**
2. Choose and enter the Hang up tone number (0-9), then press *. **[_ *(beep)]**
3. Press 0 # TOGETHER to end. **[0 # (beeeeeep)]**

1812 Classic ONLY Additional Programming

Refer to Section 2.3.6 and 2.3.7, page 25 in the 1812 Classic manual for complete programming information.

Answer Incoming Call on X Rings

Note: Suggest setting this to 6 rings when using the wireless adapter.

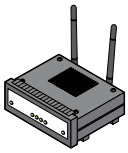
1. Press * 1 8 and enter the MASTER CODE. **[* 1 8 _ _ _ _ (beep)]**
2. Enter the number of rings (01-99), then press *. **[_ _ *(beep)]**
3. Press 0 # TOGETHER to end. **[0 # (beeeeeep)]**

Answer Incoming Call - Enable / Disable

Factory setting is 0 (Disable). This setting MUST be ENABLED when using the wireless adapter.

1. Press * 1 5 and enter the MASTER CODE. **[* 1 5 _ _ _ _ (beep)]**
2. Press 0 * to Disable this feature OR Press 1 * to **Enable** this feature. **[_ *(beep)]**
3. Press 0 # TOGETHER to end. **[0 # (beeeeeep)]**

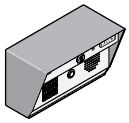
Your Router Connection



The home wireless adapter will automatically connect to your router (plug-and-play).

1812 Access Plus PC Connection

Program section 2.3 in the 1812 Access Plus **Installation/Owner's Manual** to connect your PC to the 1812 Access Plus.



Note: 1812 Access Plus can also operate using a DDNS host service (specialized setup, contact DoorKing).

"BASIC" RESIDENT OPERATING INSTRUCTIONS

Receiving a call from the 1812:

Answer the phone to speak with your guest at the gate.

GRANT Access

- Dial "**9**" on your phone to **OPEN** gate.
  - **Note:** "**Tone Open**" number functions:
    - "**9**" **Opens** gate (Timer will close gate).
    - "**8**" will **HOLD Open** gate indefinitely.
    - "**7**" will **RELEASE** gate that is being held open. (Hang Up tone number for 1812 Classic **ONLY**)
    - "**6**" will **HOLD Open** gate for **1 HOUR**, then release gate.
- Then dial "**0**" or "**#**" on your phone to disconnect.

Note: For complete operating instructions, see the **Installation/Owner's Manual** for your chosen 1812.

DENY Access

- 1**812 Plus/Access Plus:** Dial "**0**" on your phone (unless you have re-programmed the Hang Up tone number on previous page) to disconnect.
- **1812 Classic:** Dial **"7"**(Relay 1) **OR "3"**(Relay 2)" on your phone to disconnect.

Call to operate the 1812 from your house phone, without receiving a call:

The 1812 can be operated at anytime by the resident's home phone, even when there is no one at the 1812 to call the home phone. The Call Forward features MUST be programmed in (see **system programming** above).

- Dial "**1**" to call the first 1812. It will connect after 6 rings.
  - **Note:** Dial "**2**" to call the second 1812 when multiple 1812s are installed.
    Dial "**3**" to call the third 1812 when multiple 1812s are installed.
- Dial "***16**" and then your **four-digit master code**. System will **BEEP**. (master code must be already programmed in).
- Dial "**9**" to **OPEN** gate. (or use other "**Tone Open**" numbers to control gate, see above).
- Then dial "**0**" on your phone (unless you have re-programmed the Hang Up tone number on previous page) to disconnect when using 1812 Plus/Access Plus or **Hang-Up** when using 1812 Classic.

Note for 1812 Classic ONLY: There is only one-way communication when calling the 1812 from the home phone. The home phone can speak to the 1812, but the 1812 cannot answer. The home phone will not hear anything from the 1812.

Program and Operate the 1812 Access Plus from your PC:

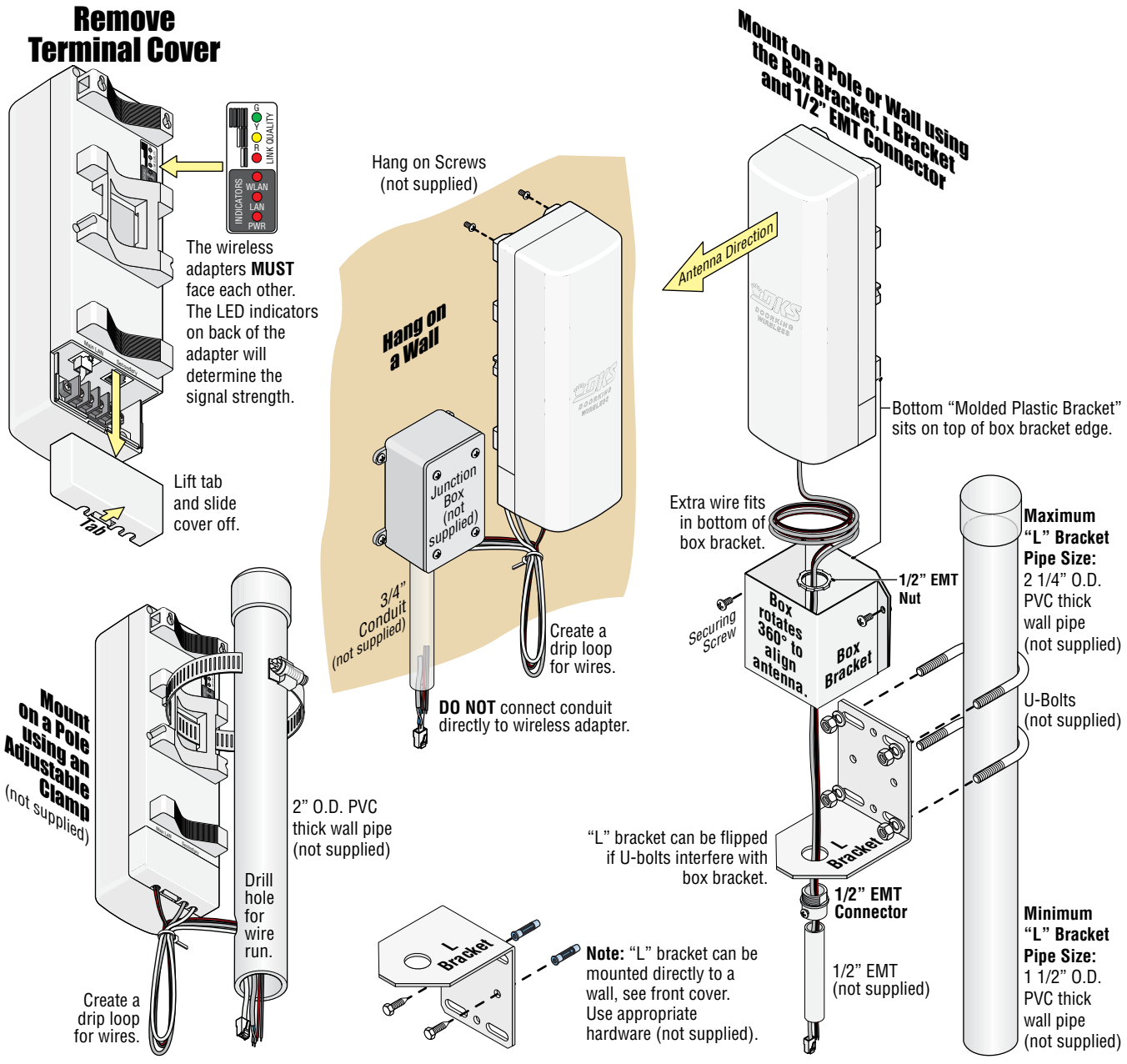
The Access Plus can be programmed and/or operated by your PC using DoorKing's software downloaded to your PC.

1830 Series Telephone Entry System

DoorKing's wireless adapter kit is designed for **PC Data and Video (No Voice)** from a 1830 series telephone entry system to a computer network system (new or existing) wirelessly. The wireless system has been pre-configured to interface with a computer network system with “Plug and Play” functionality.
The illustration on the next page shows the system configurations that can be setup. The following remote adapter and home (administrator) adapter setup pages will show you what you will need and how it is wired.

Adapter Cover Removal and Mounting Options

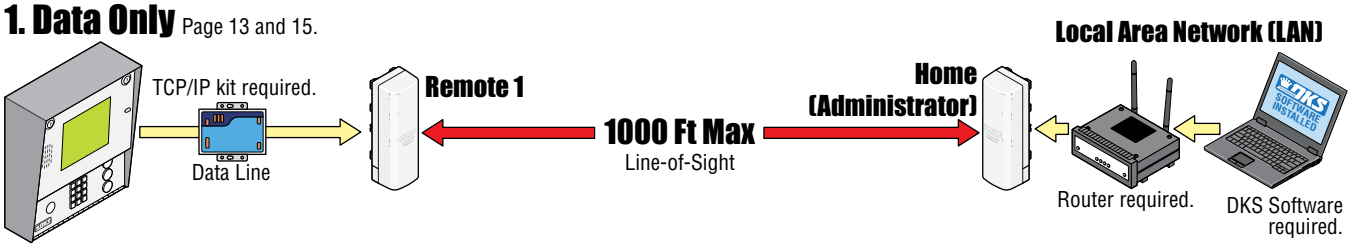
Install the wireless adapters so the antennas face each other, in a location that is **NOT** surrounded by metal and is in free air as high as possible above the ground.



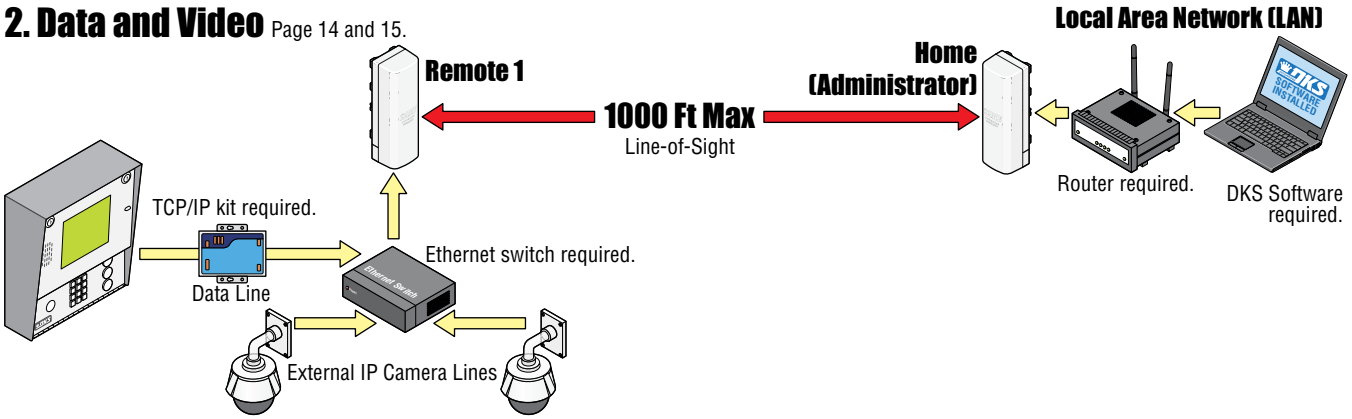
1830 System Configuration Options

The 1830 series has 2 different ways to function. The 1830 series **CANNOT** use voice. See the next 3 pages for specific wiring and mounting information once you have determined how you want your system to be configured.

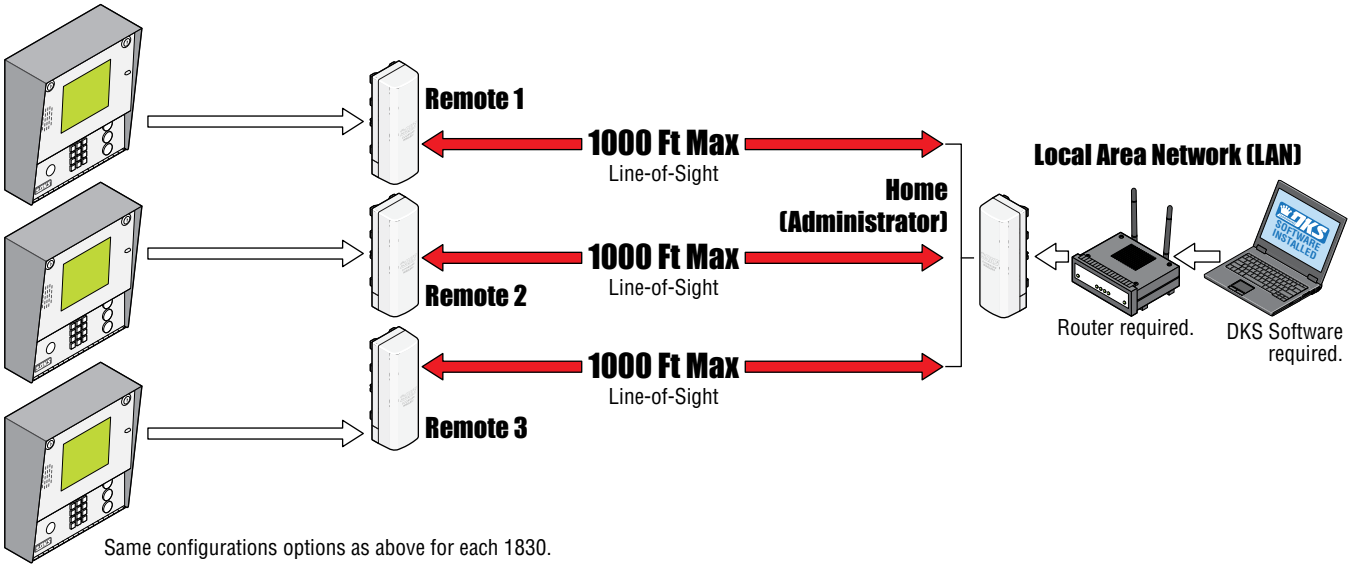
1. Data Only Page 13 and 15.



2. Data and Video Page 14 and 15.



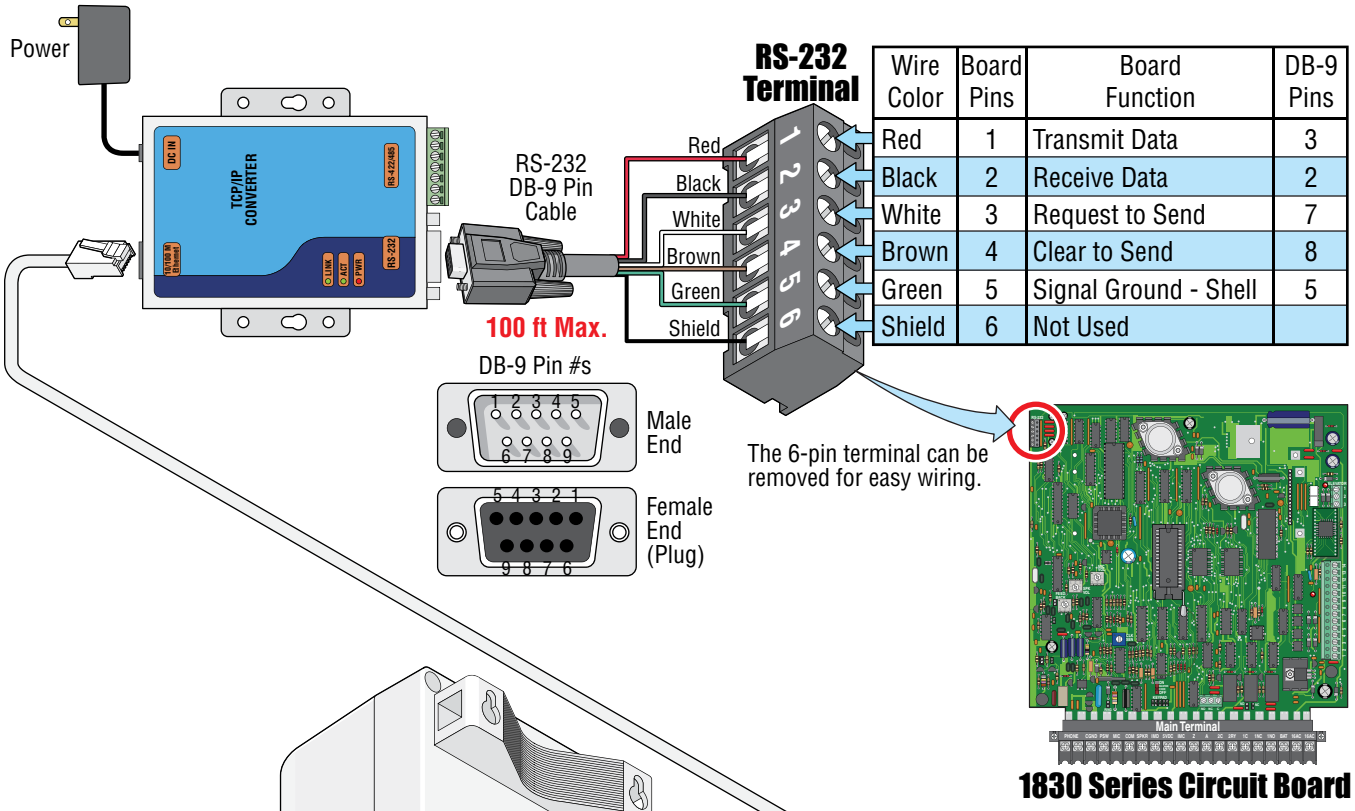
Multiple 1830s (Two or Three)



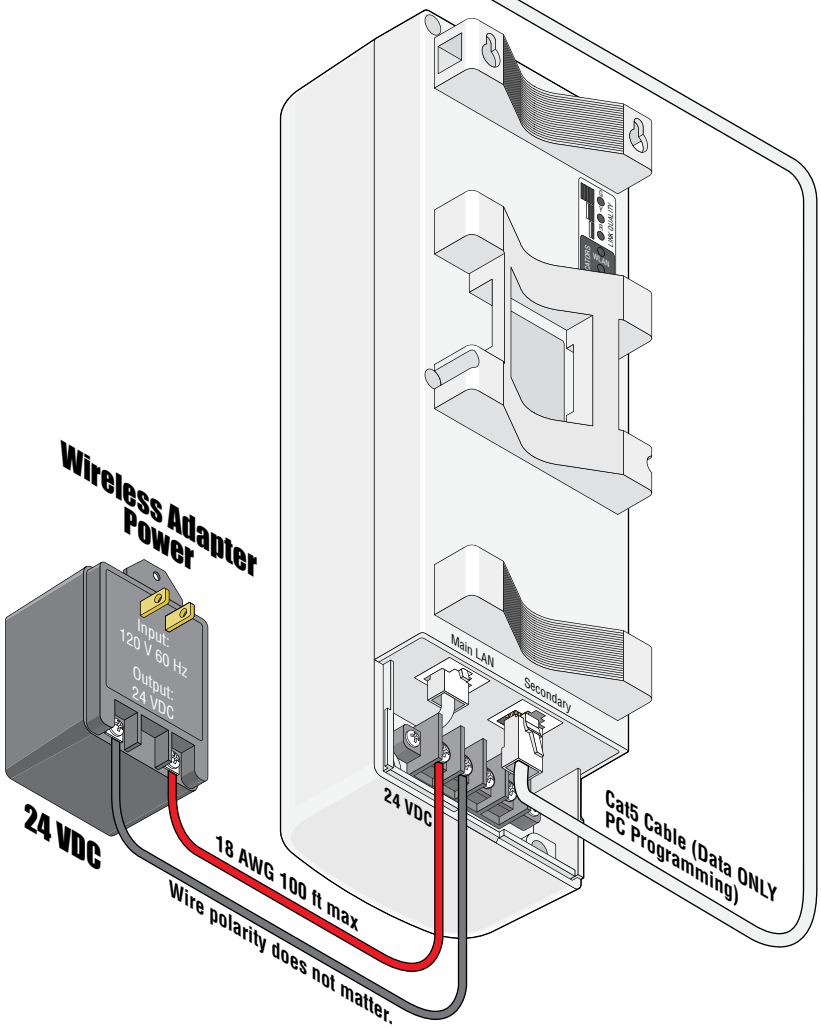
Same configurations options as above for each 1830.

1830 Data Only Remote Setup

Requires DoorKing TCP/IP Converter Kit P/N 1830-175. Up to 3 1830 Series systems can be managed with a single PC.

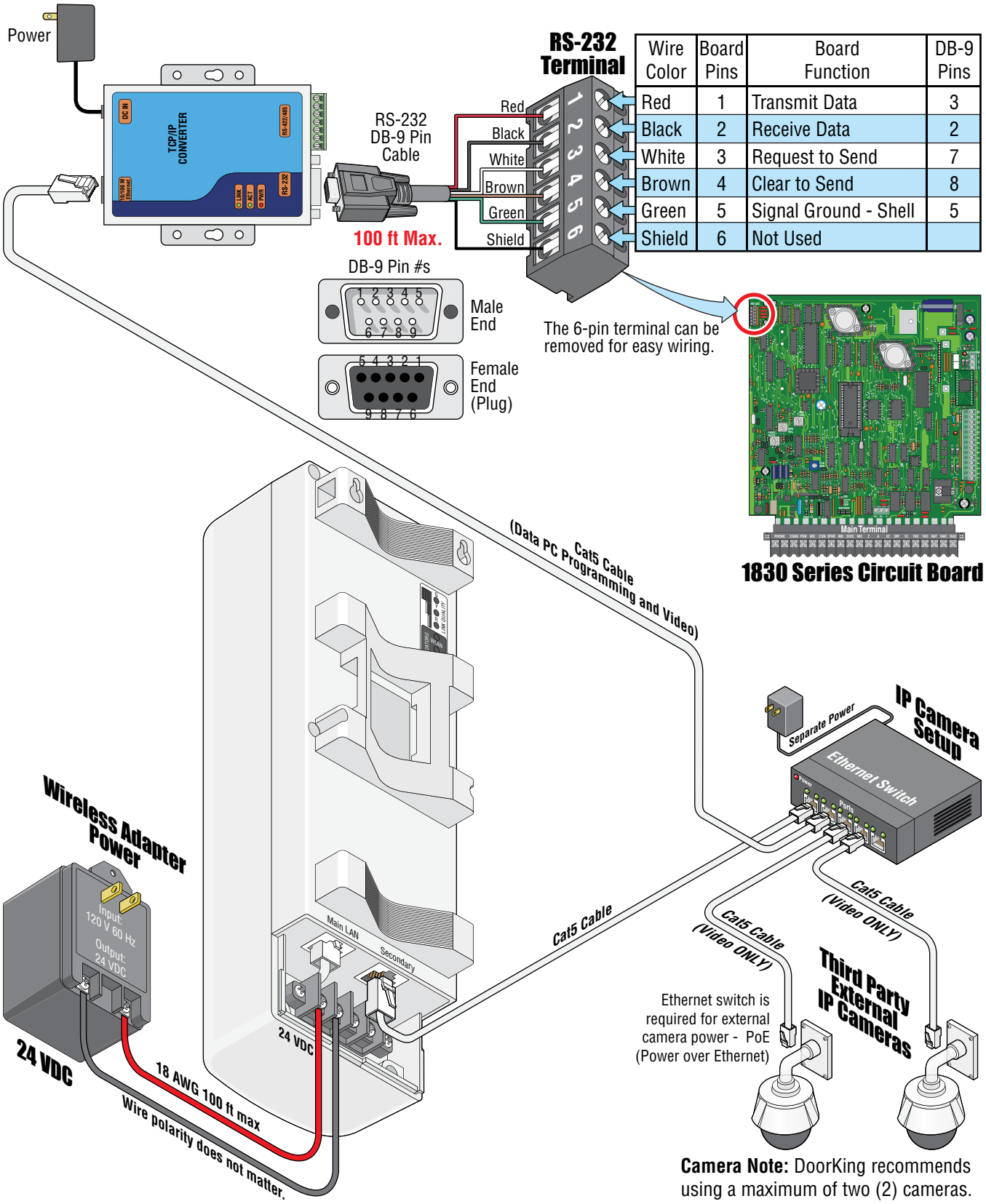


Wire Color	Board Pins	Board Function	DB-9 Pins
Red	1	Transmit Data	3
Black	2	Receive Data	2
White	3	Request to Send	7
Brown	4	Clear to Send	8
Green	5	Signal Ground - Shell	5
Shield	6	Not Used	



1830 Data and Video Remote Setup

Requires DoorKing TCP/IP Converter Kit P/N 1830-175, Third party IP Camera(s) and an Ethernet switch. Up to 3 1830 Series systems and camera(s)can be managed with a single PC.

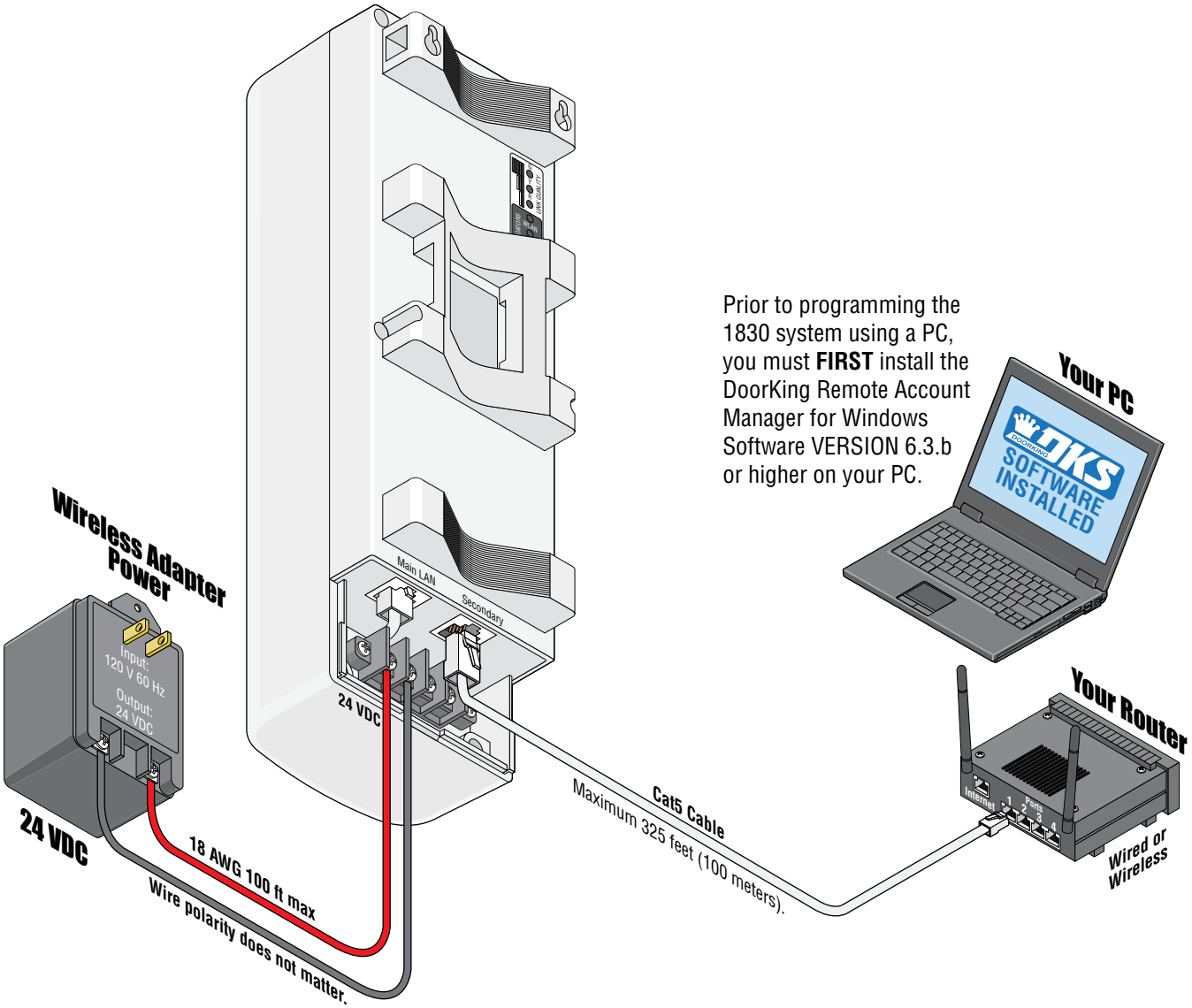


Wire Color	Board Pins	Board Function	DB-9 Pins
Red	1	Transmit Data	3
Black	2	Receive Data	2
White	3	Request to Send	7
Brown	4	Clear to Send	8
Green	5	Signal Ground - Shell	5
Shield	6	Not Used	

Camera Note: DoorKing recommends using a maximum of two (2) cameras.

1830 Home (Administrator) Setup

Up to 3 1830 Series systems can be managed with a single PC.



Prior to programming the 1830 system using a PC, you must **FIRST** install the DoorKing Remote Account Manager for Windows Software VERSION 6.3.b or higher on your PC.

Please refer to the DoorKing Installation/Owner's manual 1835-065 and DoorKing's Software manual 1835-066 AFTER mounting and wiring the wireless adapter to setup and manage your 1830 Series system.

Installation Manual

Wireless Adapter

for 1812 and 1830 Series Entry Systems

1815-560-J-3-13

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