

SkyBell Digital Doorbell Adapter (DDA)

Do I need a SkyBell Digital Doorbell Adapter?

A **SkyBell Digital Doorbell Adapter (DDA)** is required for all digital doorbell chimes to work with the SkyBell HD or SkyBell Trim Plus device. It is also very important to ensure that the power requirements for the SkyBell are met before beginning installation.

Power Requirements

The SkyBell requires 10-36 VAC (volts alternating current) 10 VA (volts ampere) and 0.5A to 1.0A (ampere) in order to operate. Most homes that were built within the past 15 years will have a transformer capable of outputting enough power for SkyBell. The [Wired Doorbell Contractor Kit](#) contains both the recommended transformer as well as a compatible **mechanical** chime.

Identifying the Doorbell Chime Type (Mechanical vs. Digital)

SkyBell works with both **mechanical** and **digital** chimes.

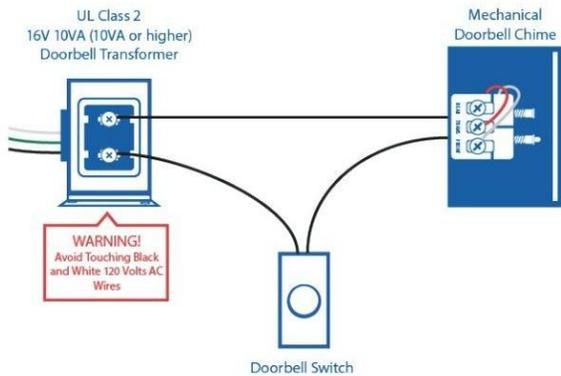
- **Mechanical** chimes have two (2) plungers that make the traditional "Ding Dong" sound when the doorbell is pressed.
- **Digital** chimes typically play a melody when the doorbell is pressed and most often utilize a loudspeaker. These types of doorbells are found in newer houses.

If you have a digital door chime, you must connect a **SkyBell Digital Doorbell Adapter** to your chime prior to installing a SkyBell device. The **SkyBell Digital Doorbell Adapter**'s main purpose is to regulate the power between the digital chime and the SkyBell, allowing the SkyBell to power up.

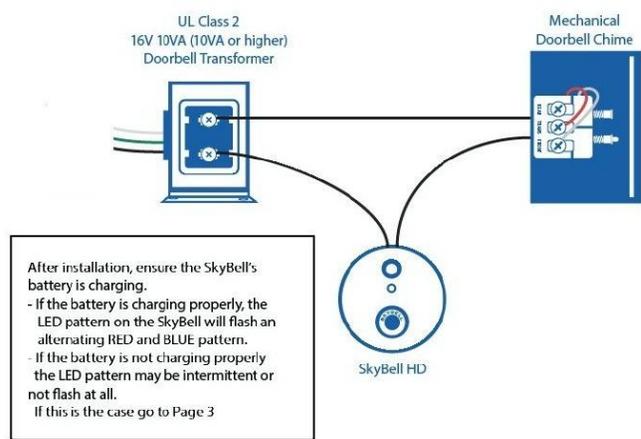
Wiring the SkyBell with a Mechanical Chime

Mechanical chimes have two plungers and go DING DONG. The diagram below shows how the SkyBell replaces the existing push-button doorbell switch by connecting to the existing doorbell system wires:

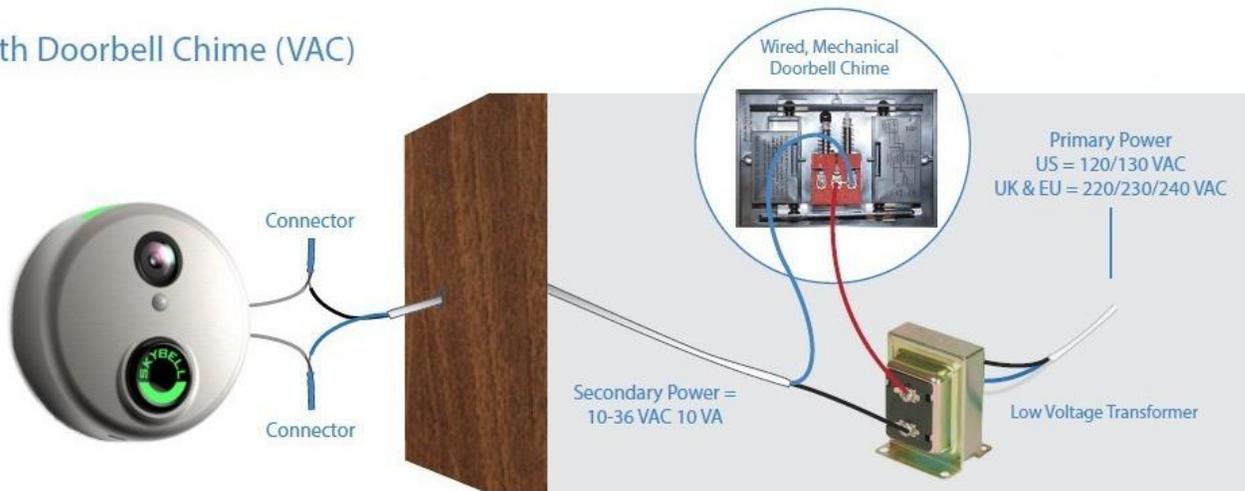
Doorbell wiring before SkyBell installation



Doorbell wiring after SkyBell installation

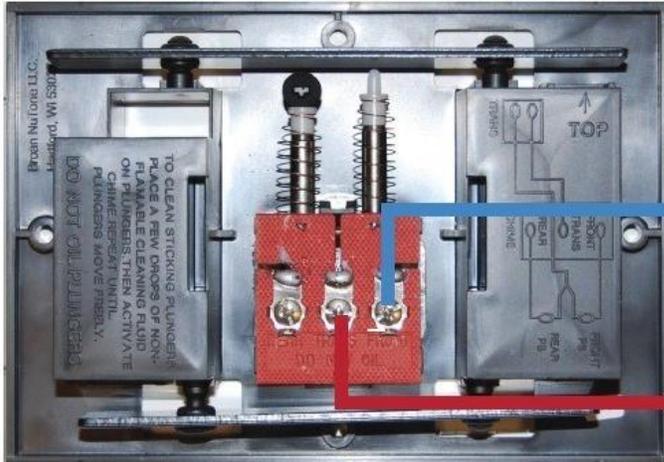


With Doorbell Chime (VAC)



- *SkyBell is only compatible with wired, mechanical doorbell chimes
- *Use class II line 120 60Hz transformer (USA)
- *Do not use a resistor if you are using a doorbell chime

Wired, Mechanical Doorbell Chime



Wire from SkyBell attaches to terminal marked "Front Door".

Wire from SkyBell attaches to terminal marked "Trans or Transformer".

Wiring the SkyBell with a Digital Chime

The **SkyBell Digital Doorbell Adapter** is required for a SkyBell Wi-Fi Video Doorbell device when connected to an indoor digital doorbell chime system. The following image shows the latest version of the adaptor.



The main purpose of the **SkyBell Digital Doorbell Adapter** is to regulate the power between the chime and the SkyBell, allowing the SkyBell to operate correctly.

Installation

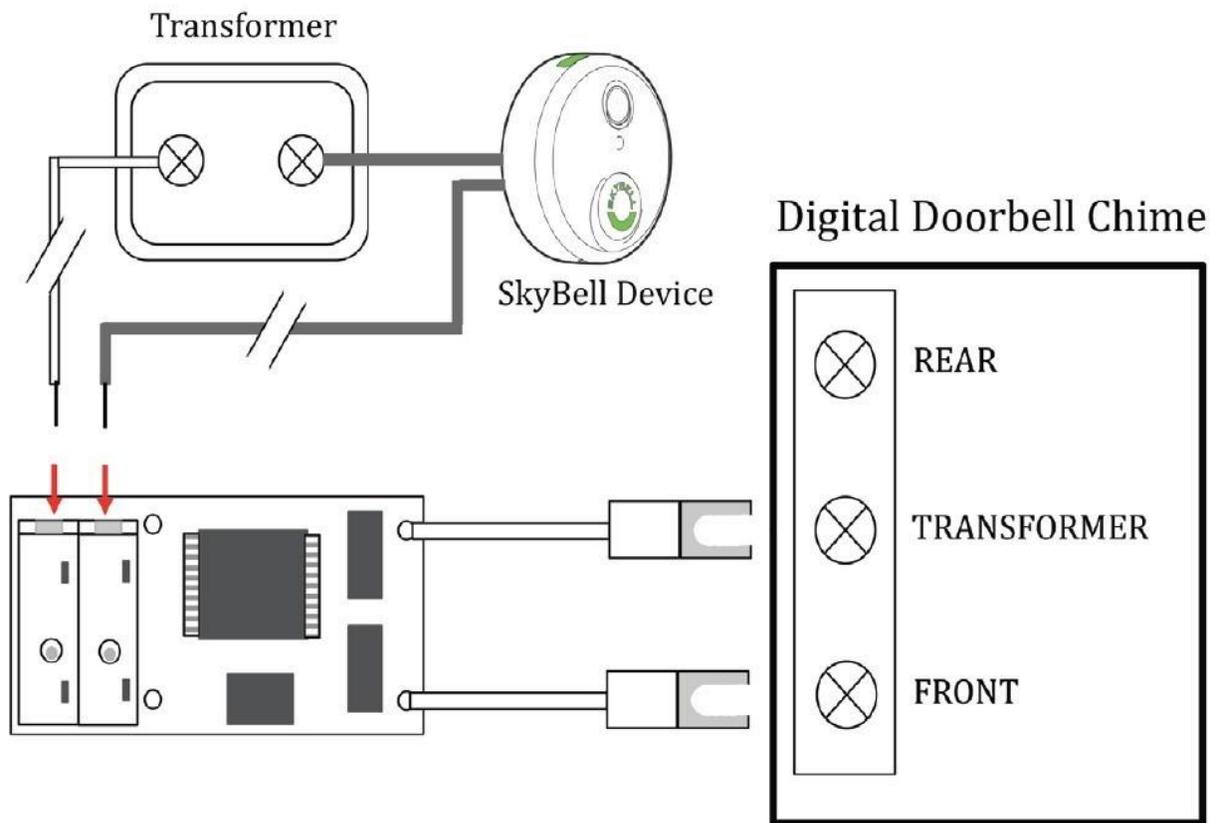
The **SkyBell Digital Doorbell Adapter** can be installed relatively quickly and easily. Please watch the [SkyBell Digital Doorbell Adapter Installation Video](#) to learn how it is done.

NOTE: The **SkyBell Digital Doorbell Adapter** featured in this video has since been modified so the connectors to terminals are wire based rather than fitting the circular openings allowing it to work in most digital doorbells. The app featured in this video has also been updated and does not reflect the most recent app layout and design.

The SkyBell DDA installs inside of an indoor digital doorbell chime by connecting the wires to the terminals used for FRONT (representing the front doorbell) and TRANS or TRANSFORMER, used for regulating low-voltage power of wired indoor digital chime systems.

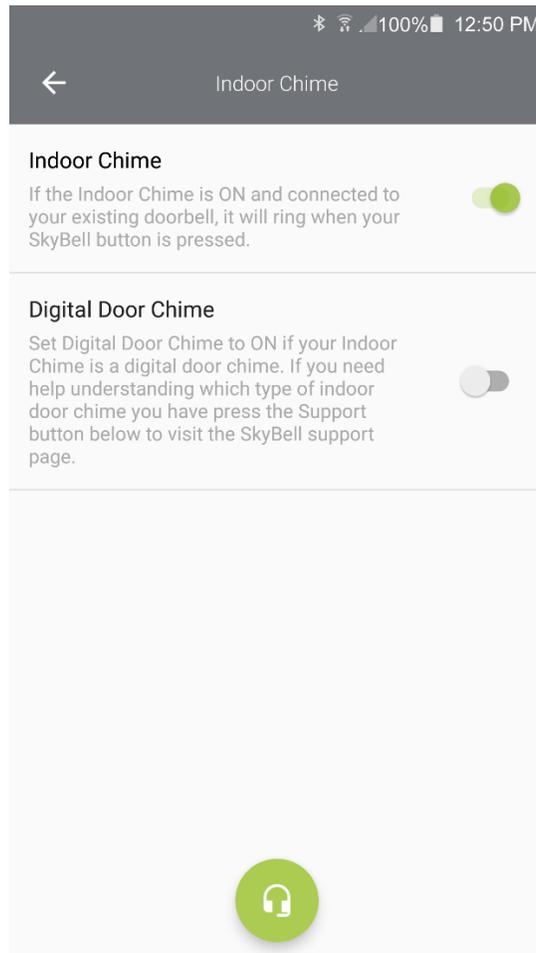
- Insert one wire each into the connector on the SkyBell DDA as shown in the diagram.
- Ensure the wire is inserted all the way and is not loose.
- Connect one wire lead to the “FRONT” terminal of the digital doorbell chime.
- Connect the second wire lead to the “TRANS” or TRANSFORMER” terminal.
- Make sure all wires are securely fastened.

The diagram below shows how the **SkyBell Digital Doorbell Adapter** connects to the terminals inside of a digital doorbell chime, which is connected to both the SkyBell Wi-Fi Video Doorbell and the transformer.



Download [SkyBell Digital Doorbell Adapter \(DDA\) Installation Card](#).

Once the **SkyBell Digital Doorbell Adapter** is installed into the digital chime system, please ensure that the “Digital Chime” feature is enabled within the SkyBell app. This feature can be found under “Device Settings” in the SkyBell app. Without this feature enabled, users will experience irregular behavior from the SkyBell and/or the chime such as warped tones, constant ringing from the chime or power loss to the chime.



Troubleshooting

If you connect your SkyBell to a digital chime system without the **SkyBell Digital Doorbell Adapter, you may experience the following:**

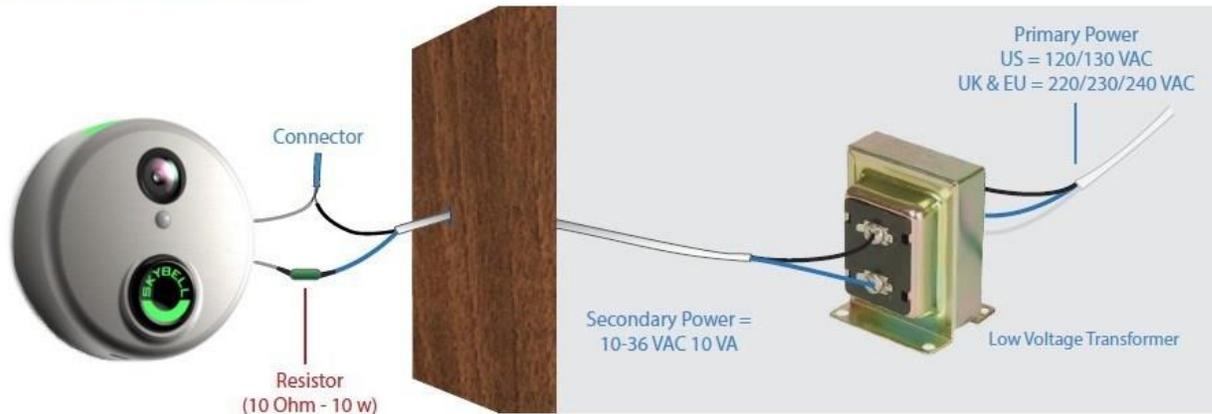
- Your digital chime will ring continuously until the SkyBell is disconnected from power.
- The SkyBell may not power up because the digital chime is pulling most of the power from the transformer.
- The transformer may hum or buzz because it is not able to send enough power to both the digital chime and the SkyBell.

Wiring the SkyBell without a Chime

If you are not using a doorbell chime, you **must** use a [10 \$\Omega\$ \(Ohm\) / 10 W \(Watt\) resistor](#) on one of the connections between SkyBell and the transformer.

This setup requires a 10 ohm / 10 watt resistor. An approved resistor can be purchase [here](#).

No Doorbell Chime (VAC)



**This setup requires a 10 Ohm / 10 watt resistor
Use class II line 120 60Hz transformer (USA)