



LG (C5 Harness)

BluKey Pulse Protocol

## Installation Manual



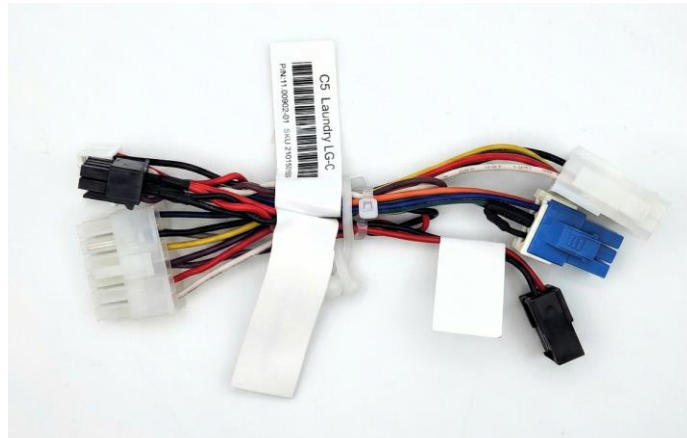
BluKey™ Pro Pulse



BluKey™ Pulse

## Preparing the Machine for Installation

- ❑ **Machine Power:** Ensure the laundry machine is disconnected from its power source.
- ❑ **Installer Connectivity:** For BluKey registration, confirm your smartphone has a stable internet connection (Wi-Fi or cellular data) to use the PayRange App.
  - PayRange service requires data connection on a user's mobile device.
- ❑ **Jumper:** Install a jumper if it is not already in the machine. This is required when the machine is set to **Pulse Mode** and no coin mechanism is present.
- ❑ **Required PayRange Hardware:** Ensure you have the correct harnesses and sufficient BluKey devices on hand to complete installations on all machines at the location.



**Figure 1**

## Machine Out of Order

- If the machine has **power**, register and connect to the BluKey and harness as usual.
- If the machine has **no power**, use another machine to power and register the BluKey. Use the Machine ID, position number, and harness type for the out-of-order machine
- Leave the registered BluKey in the first machine. Once the broken machine is repaired or replaced, retrieve the device and install it in the correct machine.



Figure 2

## BluKey Configuration Steps

**Pulse Mode:** Use this mode when the machine is configured to accept coins or pulse signals from a coin mechanism. Pulse Mode installations are supported with either BluKey model: **BluKey Pro** or **BluKey Pulse**.

### BluKey Pro Model:

- Connect the **BluKey Pro** to the **C5 harness (Figure 3)**.

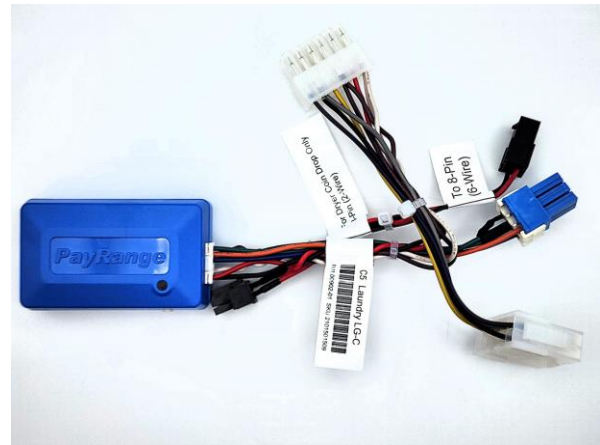


Figure 3

### BluKey Pulse Model:

- Connect **BluKey Pulse** to the **Interface Module**.
- Connect **C5 Harness** to the other end of the **Interface Module** (See **Figure 4**)

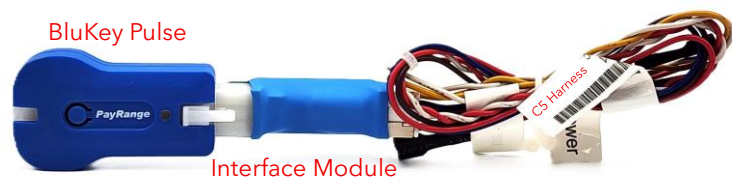


Figure 4

## Configure the Laundry Interface Module for BluKey Pulse Module Only:

**Important:** The interface module switches must be set to match the machine's settings and programming. Incorrect switch settings may cause the BluKey to be incompatible or behave unpredictably.

### Switch 1:

- **OFF**-BluKey's 12-pin Coin Connector will be used to audit coins.
- **ON**-Machine does not accept coins, or the coin audit function will not be used.

### Switch 2:

- **OFF**- Used for Washers. Payment will be disabled when the machine is in use.
- **ON**- Used for Dryers. Payment is always allowed for top-off transactions. Set to OFF to disable top off transactions

### Switch 3:

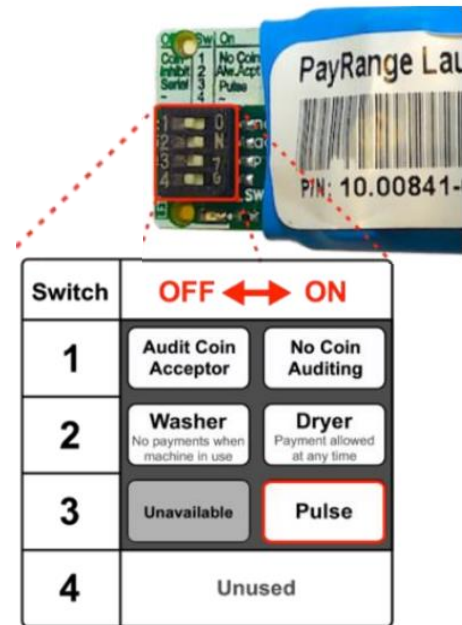
- Set to **ON** for all machines to accept BluKey Pulse.

### Switch 4:

- Unused

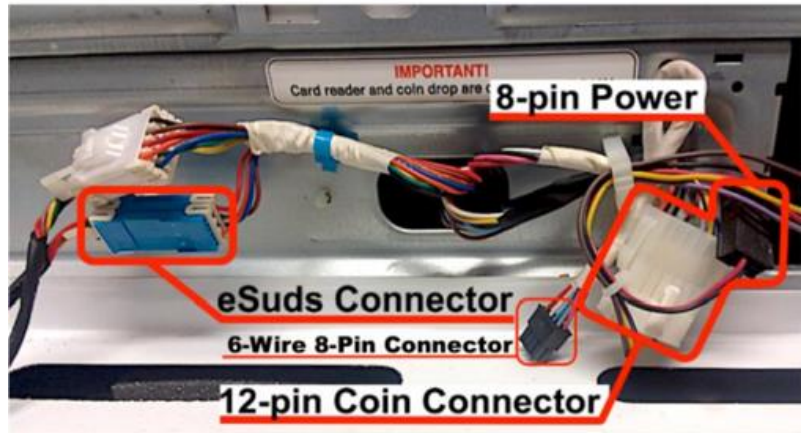
## Harness Installation

1. If not done so already, **disconnect** the machine from its **power** source.
  - a. Connect the BluKey to the harness.
2. **Open** machine **control panel** to access the machines harness bundle behind the display.



**Figure 5**

3. Disconnect the machine's blue **eSuds connector** (see **Figure 6**). Connect the blue 6-pin connector from the C5 harness in its place.
  - a. *Do not reconnect the machine's original eSuds connector; leave it unconnected.*



**Figure 6**

4. **Optional Coin Pass-Through:** The coin pass-through is used to audit coin drops only. **Do not connect** if the machine does not accept coins, has dual coin acceptors, or if cash reporting is not needed.
  - a. Disconnect the machine's **12-pin Coin Connector** (see **Figure 6**).
  - b. Connect the 12-pin adapter from the C5 harness in its place.
5. Disconnect the machine's **8-pin Power** connector (see **Figure 6**).
6. Connect the 8-pin connector from the C5 harness in its place.
7. **Jumper** Installation: Insert the LG jumper into the machine's coin harness **if a coin mechanism is not present (Figure 7)**.
8. **Power on** the machine

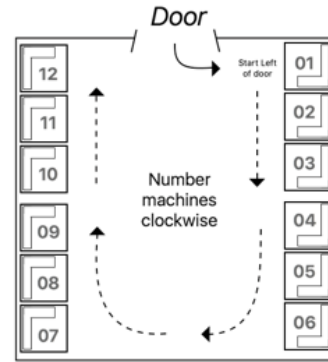


**Figure 7**

## Affixing Machine Decals

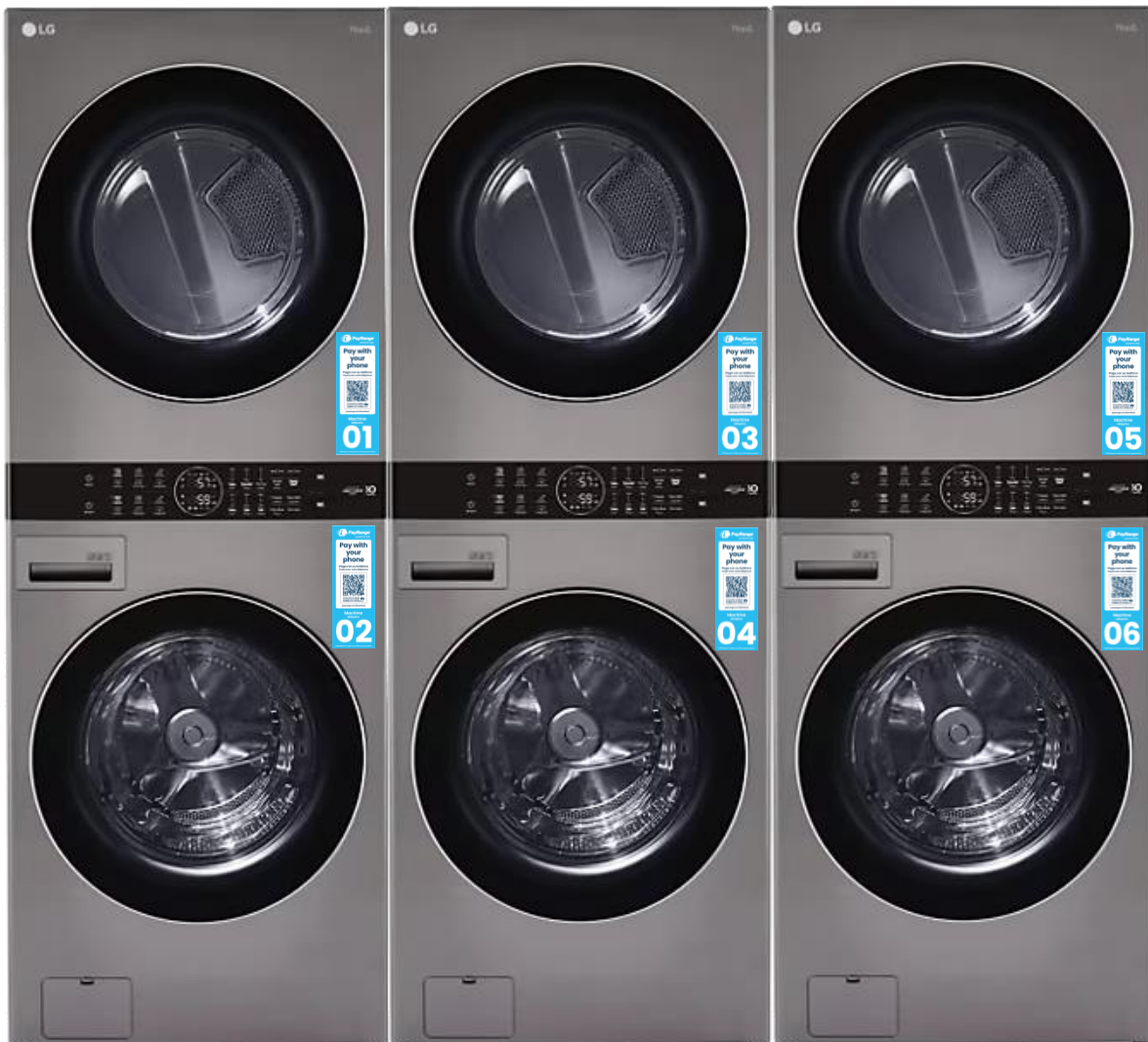
(Refer to the signage/decal placement reference guide for complete placement details)

- Number machines left-to-right and top-to-bottom to make it easier for customers to locate machines.



**Figure 8**

- For stacked machines that require two devices, top machine should be lower number.

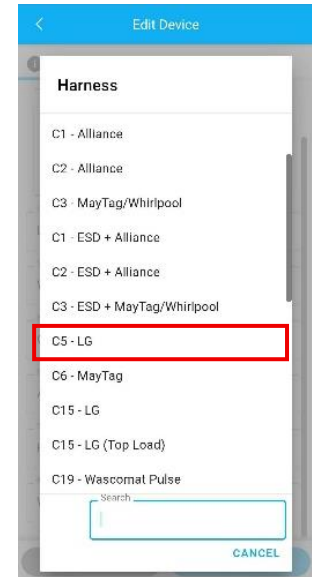


**Figure 9**

## Register BluKey with PayRange App

Refer to the “*Registering the PayRange BluKey*” reference guide for the complete steps for registration.

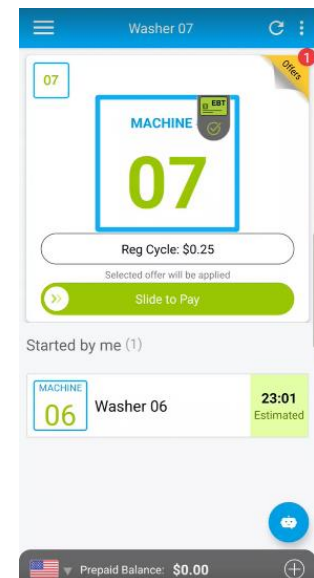
- Be sure to select the specific harness type during registration, in this case select the **C5-LG**. (see **Figure 10**).
- Under Protocol, select **LG-Pulse**.



**Figure 10**

## Test Transaction

1. On the main screen in the PayRange App, select the machine you wish to test payment.
2. Slide the **Green** arrow to the right to send a test transaction payment (**Figure 11**).
3. Verify the machine’s display shows the PayRange balance or value of free purchase code (**Figure 12**).
4. Press Start on the machine to begin the cycle or press the X in the PayRange App to cancel the transaction. The account will not be charged for a cancelled transaction.
  - If the test transaction is unsuccessful, refer to the “*PayRange Troubleshooting Guide*”.



**Figure 11**



**Figure 12**

**Repeat Steps for All Machines Requiring the C5 Harness.**