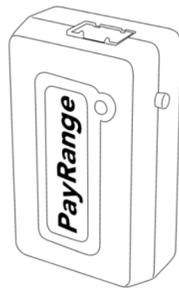




C1 Harness for Alliance MDC

For BluKey™ Pro Serial/Pulse and BluKey™ Pulse Devices

Installation Guide



BluKey™ Pro Serial
BluKey™ Pro Pulse



BluKey™ Pulse

HARNESS - LAUNDRY C1: ALLIANCE (MDC)

Alliance Laundry Systems
Machines with
MDC/Centurion Controllers

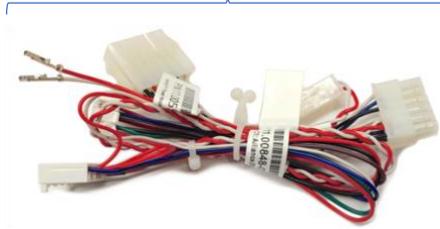
PayRange Laundry System

1 Coin-Op Machine



2 Laundry Interface Kit

"C1" Harness
BluKey to Machine



3 BluKey™ Pro



or



BluKey™ Pulse

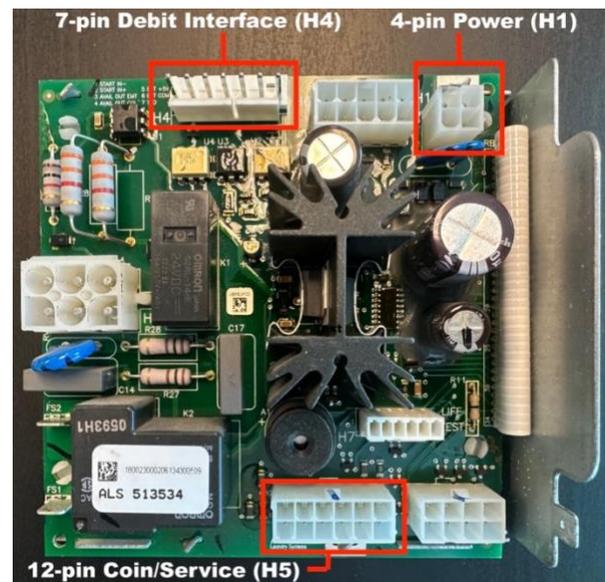
Supported Machines

Alliance Laundry Systems with these controllers:

- MDC
- Centurion
- Galaxy™ 400 / 600
- Quantum™ Silver / Gold

Tips: 4-pin power connector (H1) may be on separate circuit board in large-chassis equipment. Debit and Coin/Service connectors are typically attached to display board.

***Board layout can vary greatly. Images are for example only. Compatible controllers will have all connections shown. Please refer to machine manual for location of these connectors or reach out to machine manufacturer.**



MDC Controller

Machine Controller Configuration (Serial / Pulse)

Machines can be set to 2 types of mode: Serial and Pulse.

Serial Mode:

Open machine control panel to access controller board (behind display)

- A special jumper is required to be plugged in to the machine control board to tell the control to operate in 'Card' mode.
- Insert serial jumper into the 6-pin port on the board (not provided by PayRange).



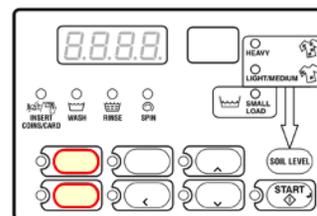
Pulse Mode: (Review Owner's Manual provided with machine for process to enter set up mode)

Configure Machine Controller Programming

1. Use one of the **suggested** methods below to access Program Mode.
(Review machines Programming Manual to access Program mode.)

PayRange cannot assist with accessing Programming mode):

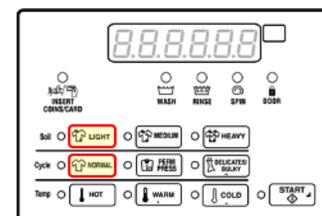
- a. Open Service Door (coin vault must be closed)
- b. Disconnect & reconnect 12-pin coin/service harness.
- c. Unplug bullet connector



1. Press top-left button and button immediately below it simultaneously to enter *rAPid* mode.
2. Press \wedge to *PrOg* then press **Start**.
3. Press \wedge until display shows *PLSE* then press **Start**.
4. Set to 00025 (use \wedge or \vee to change character value, press **Start** to move to next character) press **Start** when done.

5. If display shows:
 - i. *CYCLE* skip to step 8.
 - ii. *PLSN* (or *PLSNod*) press **Start** and proceed to next step.

6. Set to 192 (use \wedge or \vee to change) press **Start** when done.
7. Display shows *REYPE* press **Start** and set to 3 (use \wedge to change, then press **Start**)



8. Return to Ready Mode, method may vary:
 - i. Press \leftarrow button repeatedly until price is displayed; or
 - ii. Press top-left button and button immediately below it simultaneously repeatedly until price is displayed

BluKey Installation Steps

IMPORTANT: PayRange service requires data connection on a user's mobile device. Prior to installation, verify location has adequate cellular reception or a WIFI network that users can access.

Step 1: Prepare Machine

- Disconnect machine from power.
- Open machine control panel to access controller board (behind display)

Step 2:

Connect BluKey Pro to harness.

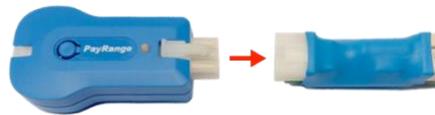
Connect C1 harness to BluKey Pro (If machine has card reader, connect provided PayRange card reader adapter harness to BluKey Pro)



or

Connect BluKey Pulse to Interface Module and harness.

Connect C1 harness to one end of the Interface Module and BluKey Pulse to the opposite end of the Interface Module.



Step 3: Connect to Debit Interface

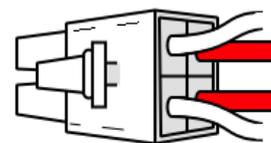
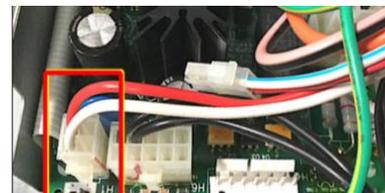
Plug the 7-pin connector from C1 harness into machine debit interface (H4). (If there is a card reader, disconnect it from machine debit interface first, connect it to PayRange credit card adapter, and then connect PayRange C1 harness into machine debit interface.)



Step 4: Connect Power

Install P1 (2-pin) Power Connector

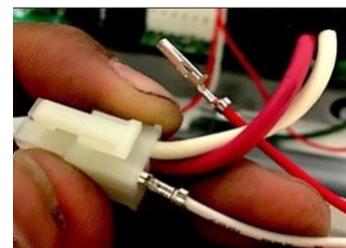
- Locate the machine 4-pin power connector. Generally, only two pins are populated. However, some machines already have a P1-style harness installed. In that case, disconnect P1 harness from C1 and connect to harness in machine.
- Unplug 4-pin connector from board (H1).
- Insert P1 pins into 4-pin connector and plug back into board.



Pins must be inserted in correct orientation. Pin crimped edge must face 4-pin connector clip.

IMPORTANT: Only connect P1 pins to machine 4-pin connector (H1).

DO NOT connect power to any other machine connector.



OPTIONAL

Coin pass-through is used to audit coin drop only, connection is not required.

Step 5: Connect Coin Pass-Through

IMPORTANT: Do not connect if machine doesn't accept coin, has dual coin acceptors or cash reporting is not desired.

- Disconnect machine 12-pin coin/service harness from controller (H5)
- Plug coin pass-through into controller.
- Plug machine 12-pin coin/service harness into pass-through connector.



Step 6: Configure Laundry Interface Module (BluKey Pulse Only)

Switches must be set to match install scenario. Incorrect settings may cause BluKey (BK) to behave unexpectedly.

Switch 1:

- **OFF** = BK is auditing machine coin acceptor
- **ON** = machine does not accept coin, or coin audit not being used

Switch 2:

- **Washers = OFF**
Payment disabled while machine in use.
- **Dryers = ON**
Payment always allowed for top-off (set OFF if dryer top-off is disabled)

Switch 3: Set **ON** for all machines.

Switch 4: Unused

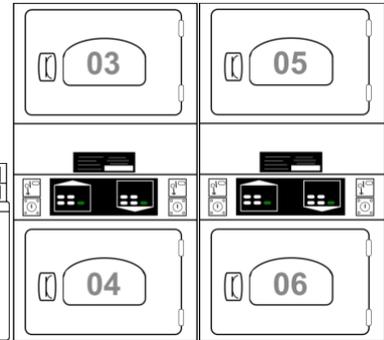
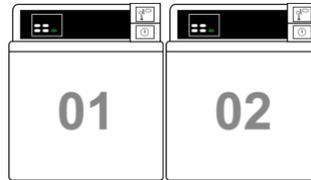


Switch	OFF ↔ ON	
1	Audit Coin Acceptor	No Coin Auditing
2	Washer No payments when machine in use	Dryer Payment allowed at any time
3	Unavailable	Pulse
4	Unused	

Step 7: Affixing machine decals

- **Number Decal** – a unique number decal must be affixed to every laundry machine equipped with PayRange. Number decal not used for vending applications.
 - The decal should be placed on the machine in an area that is easily visible (near the coin slot is recommended) and that makes it obvious which machine the number is for.
 - Number machines left-to-right and top-to-bottom to make it easier for customers to locate machines. For stacked machines that require two devices, top machine should be lower number.

Note: Dexter and Maytag stacked machines only require a single device, and therefore should have a single number decal



- **First Purchase Free Decal** – this decal should be used only if the ‘New User Program’ is enabled on the operator account.
 - The New User Program allows brand new PayRange users to make a single transaction without adding funds and is a great way to incentivize mobile pay adoption.

To enable/disable feature, and set the maximum amount for transaction: login to Manage Console → select “Rewards” → select “New User Program”

Step 8: Power On machine and register BluKey with PayRange App in front of machine after installation and testing after installation. (Refer to BluKey Registration manual).

It is critical to test each BluKey device to verify proper installation, registration, and setup. Testing coin acceptor is also recommended, if applicable.

Recommended test procedure:

Repeat steps for all machines.

1. If machine accepts coins, insert a quarter, and verify price on display decrements by 25c
2. Insert a card into the reader – verify normal card operation and machine can start.
3. Rapid advance machine to clear cycle
4. Select the machine in the PayRange App and swipe to pay – verify machine displays PayRange balance (or value of free purchase code) and can start.