



# PayPro Max

## Interfacing with Wash Select II

Wash Select II is a carwash machine with a control system that allows customers to choose from various car wash options by pressing physical buttons. The PayPro Max payment terminal, equipped with a coin pulse converter, processes the customer's payment and triggers the corresponding wash function.



# Package Contents



PayPro Max reader



Button Control Cable



Coin Pulse Converter



2x7 Control Cable



Power Supply Cable



MDB/RS232 Cable

# Safety Precautions

- **Connection Safety**

Ensure all connections are secure before powering on to avoid short circuits or other electrical hazards.

- **Voltage & Current Compatibility**

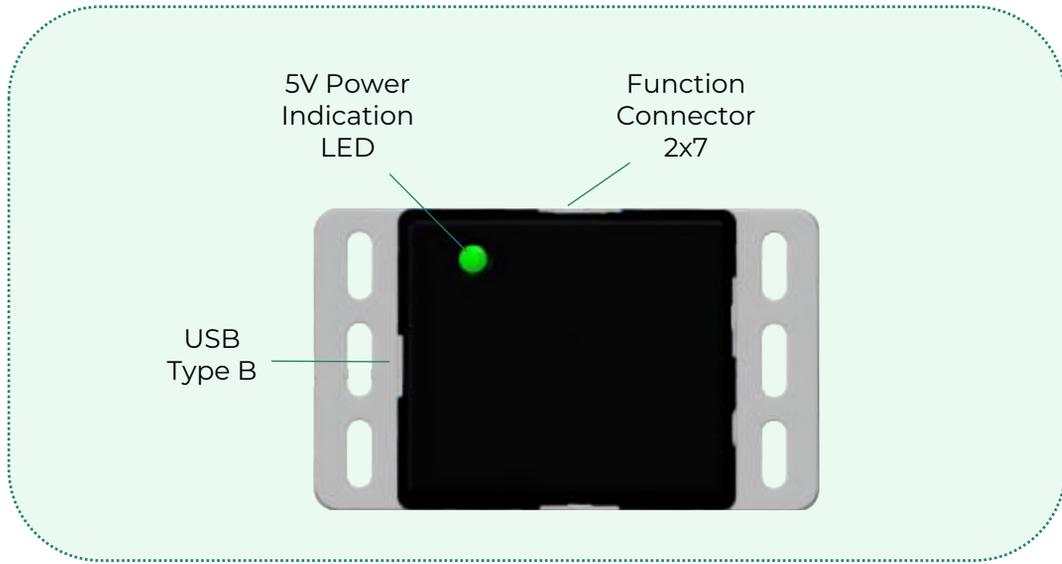
Verify that the voltage and current ratings of the system components match the power supply ratings to avoid damage.

- **Power Off**

Always disconnect the power before adjusting, connections, or repairs to prevent electrical shock or system damage.



# The Hardware



**Coin Pulse Converter**

Note: The coin pulse converter does not support all types of relays. It only supports relays that are activated by low level signal.



**Payment Reader**

Note: The POS device accepts voltages from 9 to 45 VDC, so it can be powered from 12VDC with the Relay in parallel. The DC source should be able to provide 2A at least. Most Carwashes have 24VAC available, so a converter is likely needed.

Note: The antenna should be connected to the main port of the POS device to boost the LTE signal.

# Connection Steps

## 1. USB Cable Connection

### Objective

Enable communication between the POS Device and the coin pulse converter

### Action

Use the provided USB cable to connect the POS Device to the Coin Pulse Converter. This connection allows the devices to communicate and exchange control signals.

## 2. Coin Pulse Cable Setup

### Objective

Establish control signals between the Coin Pulse Converter and the Wash Select II machine, sending coin pulses after a successful payment.

### Action

Connect the 2x7 cable to the J2 port on the Coin Pulse Converter. Attach the red wire from this cable to the coin pulse pin on the Wash Select II machine. If your wash options have prices that are fractions of dollars, then connect to Coin 1 Pin; otherwise, connect to Coin 2 Pin. Attach the black wire to the Common (COM) pin on the Wash Select II machine.

# Connection Steps

## 3. Terminal Powering

### Objective

Provide power to the POS Terminal. This connector is on the board that does not have the buttons.

### Action

Using the 24V Power Connector at the Wash Select PCB:

- VDC+ (Positive Terminal, Pin 1). Connect to the positive terminal of the 24V DC power supply via the red wire of the power cable.
- VDC- (Negative Terminal, Pin 2). Connect to the negative terminal of the 24V DC power supply via the black wire of the power cable.

## 2. Button Control Cable Connection

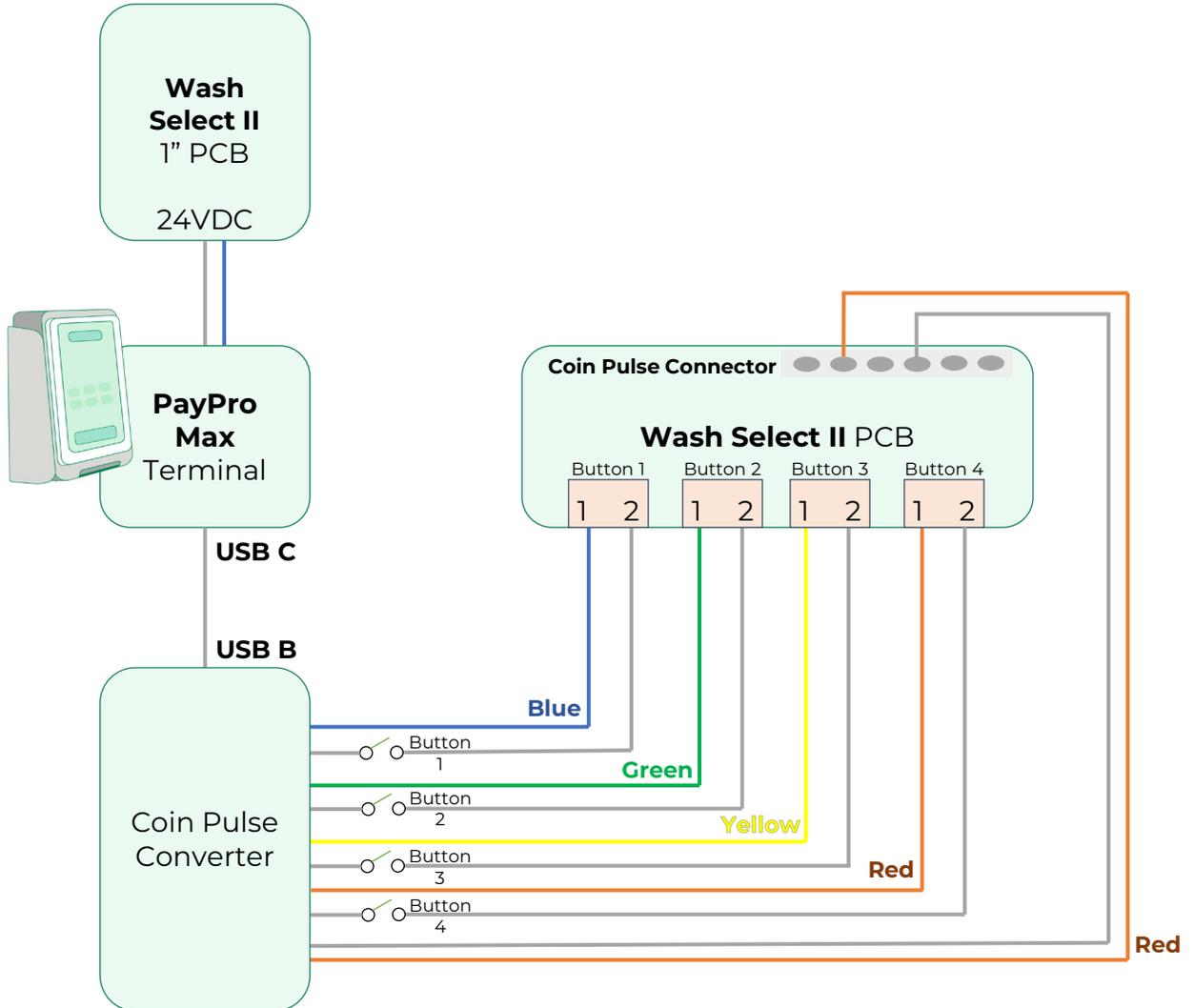
### Objective

Allow the customer to select the desired car wash option using the 4 physical buttons on the Wash Select II machine.

### Action

- The 4-Button Control Cable connects directly to the Wash Select II machine, allowing customers to select one of four available car wash options.
- Each button on the 4-Button Control Cable corresponds to a different wash option. When a customer presses one of the buttons, the Coin Pulse Converter processes the payment and sends a control signal to the Wash Select II machine to activate the selected option.

# The Four Buttons Wiring



Each button should have a unique colored wire, as well as a ground black wire.

# Operation Overview

## 1. Activating the Wash Select II Machine

When a customer presses one of the four physical buttons on the Wash Select II machine, the Coin Pulse Converter sends the selected option payment and sends a coin pulse signal to the coin pulse connector on the Wash Select II machine. This triggers the machine to activate the selected wash option. The machine operator should provide the amount of payment corresponding to each option to the WeVend team so that they can fill in this information in the parameter file.

## 2. Controlling with PayPro Max Terminal and Coin Pulse Converter

The PayPro Max terminal communicates with the Coin Pulse Converter to manage the car wash process. Once the customer selects a wash option, the PayPro Max terminal confirms the correct payment amount and triggers the corresponding option.

# Troubleshooting

- **Wash Select II not triggering**

Ensure the 4-Button Control Cable is properly connected to the Wash Select II machine. Verify that the Coin Pulse Converter is properly communicating with the Wash Select II machine and is receiving the correct control signals.

- **Button not registering**

Check if the buttons on the 4-Button Control Cable are functioning properly and connected securely. Ensure the Coin Pulse Converter is properly configured to respond to the button presses.

- **Inconsistent operation**

Verify that the power supply to the Wash Select II machine is stable and provides the correct voltage. Ensure that the PayPro Max terminal is correctly communicating with the Coin Pulse Converter.