

Connecting a Power Source using the RetroFit Kit

Components



1 x Connector Plate



1 x Feedback Shunt



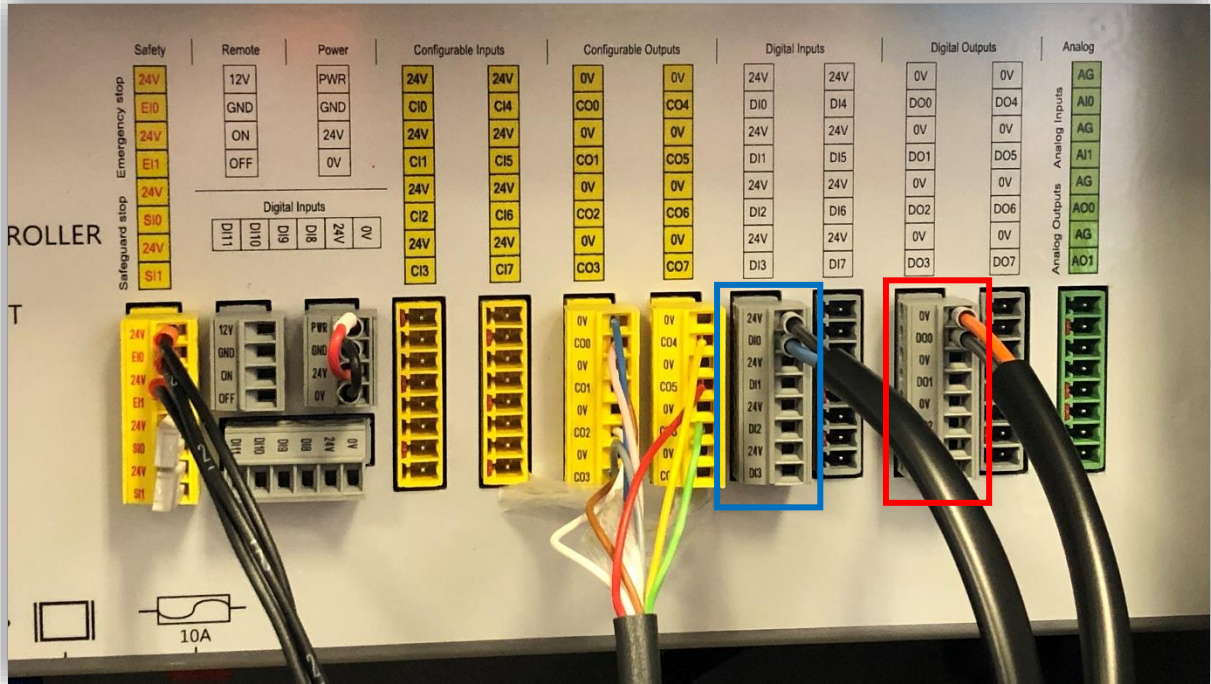
1 x Adapter (Euro /US)

For more information on the hardware installation of your specific power source, see our power source manuals located under [Guides & Manuals](#) on our partner portal.

Step 1: Install the connector plate in the UR control box



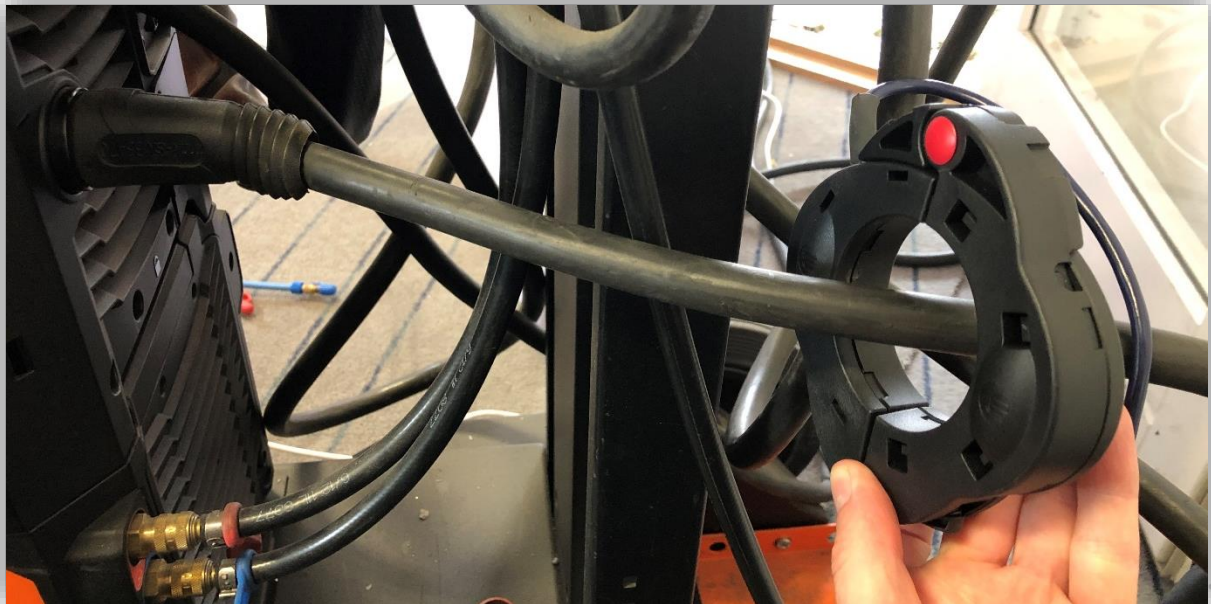
1. Remove the side panel of the UR control box
2. Insert the adapter plate from the inside of the control box
3. Mount the plate from the outside with the existing screws



4. Plug in the **blue input cable** to the first digital input terminal on the UR control box
5. Plug in the **red output cable** to the third digital input block on the UR control box

N.B. Each cable only fits in their intended ports, so they cannot be installed incorrectly.

Step 2: Install the feedback shunt



1. Clamp the shunt around the earth cable of the power source
(Important! Please ensure that the red dot on the shunt is facing the direction of the current. This will in most cases be towards the power source)



2. Insert the other end of the shunt cable to one of the ports on the connector plate

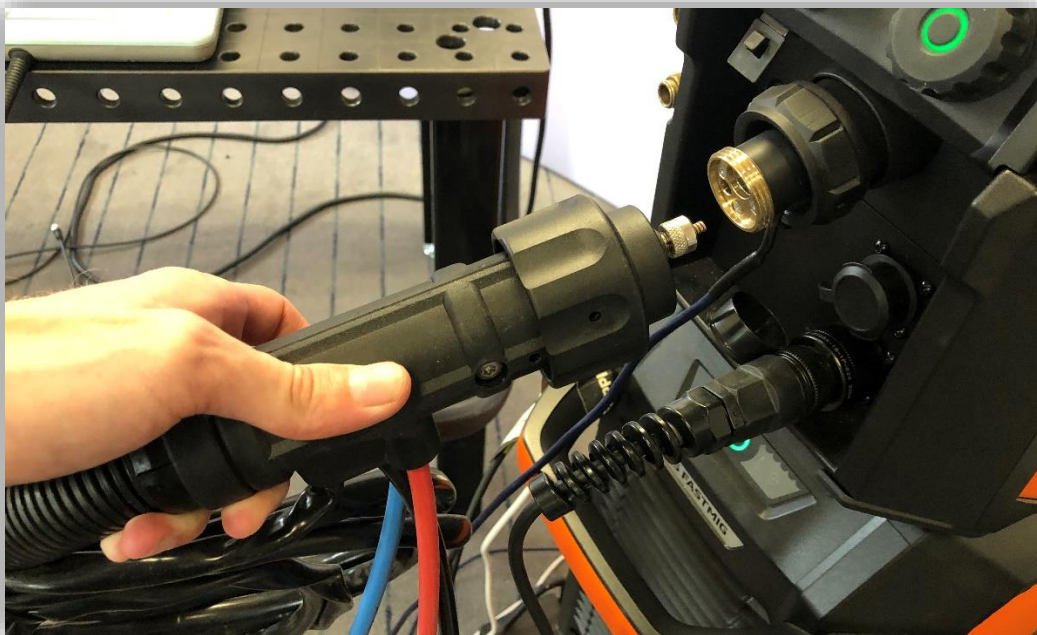
Step 3A: Install the adapter cable (Euro connector)



1. Attach the **euro connector** to the power source



2. Connect the other end of the adapter cable to the empty port on the connector plate



3. Connect the hose package to the power source

N.B! If you have a water-cooled power source and the coolant lines have been disconnected, make sure these are reconnected

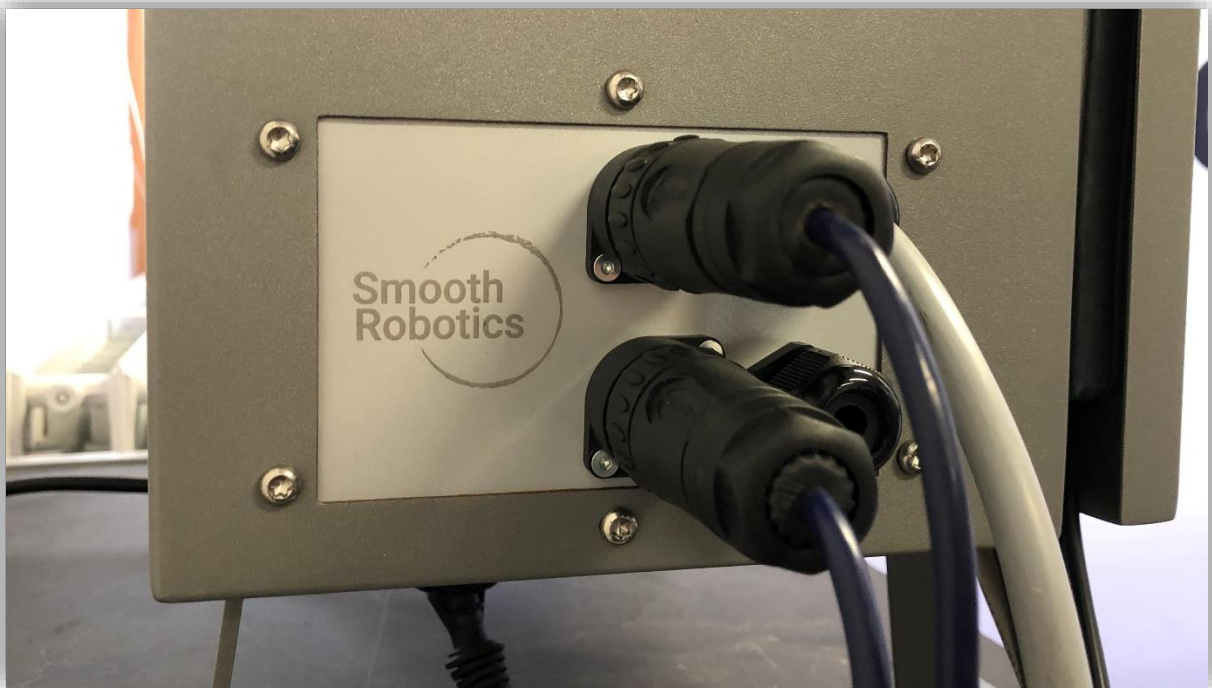
TIP!

When installing the RetroFit Kit with the euro connector, it is recommended to replace the liner in the hose package and cut it to a length that allows the liner to extend all the way through the newly installed euro connector.

Step 3B: Install the adapter cable (US connector)

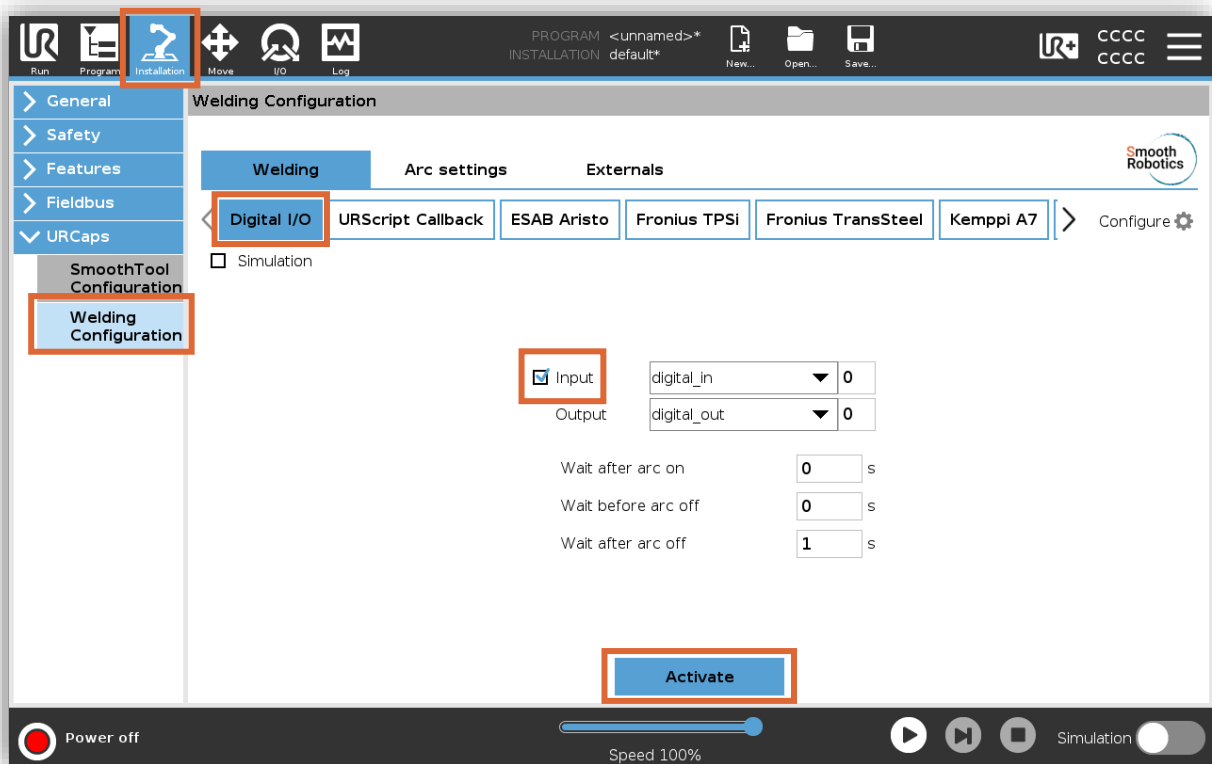


1. Plug in the **US connector** to the power source



2. Connect the other end of the adapter cable to the available port on the connector plate

Step 4: Integrate the power source in the SmoothTool software



1. On the UR teach pendant, go to **Installation** → **URCaps** → **Welding Configuration**
2. Make sure “**Digital I/O**” is selected from the list. This option should always be chosen when using the RetroFit Kit.
3. Click the checkbox next to “**Input**” to activate the feedback shunt
4. Press “**Activate**”

The power source is now connected to the SmoothTool software and you can begin welding!

TIP!

If you have used other digital I/O ports than DI0 and DO0, e.g. if these ports are already used by existing equipment, make sure to type in the numbers of the used ports

Watch the step-by-step
[video tutorial](#) of this guide

