UniCLOUD
POS Management

QUICK GUIDE

Setting up a bridge box

Dealer tutorial · November 2026

OVERVIEW

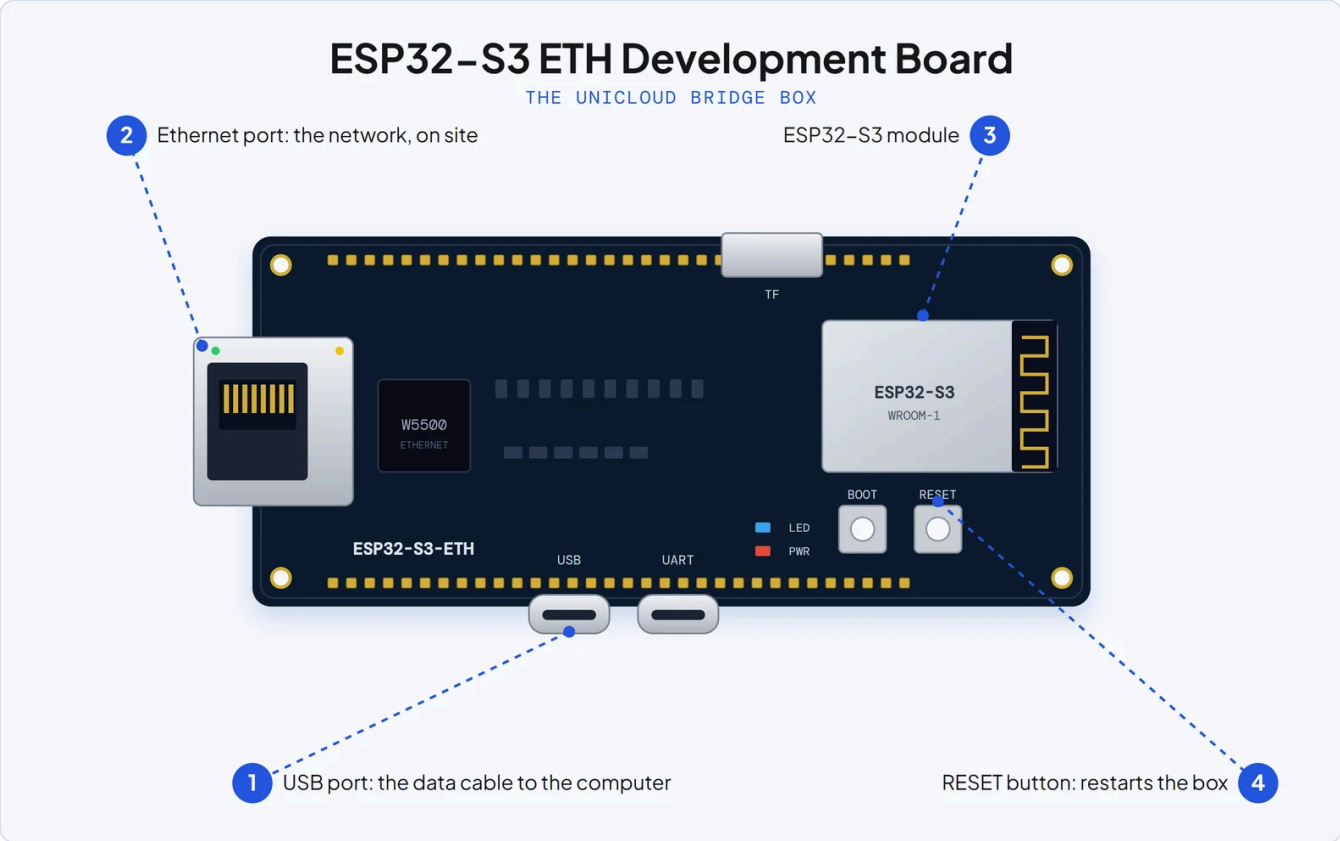
Six steps

BEFORE YOU START

What you need

The bridge box is an ESP32-S3 ETH Development Board. To flash it: a Windows computer and a USB data cable, not a charge-only cable.

1. USB port: the data cable to the computer
2. Ethernet port: the network, on site
3. ESP32-S3 module
4. RESET button: restarts the box



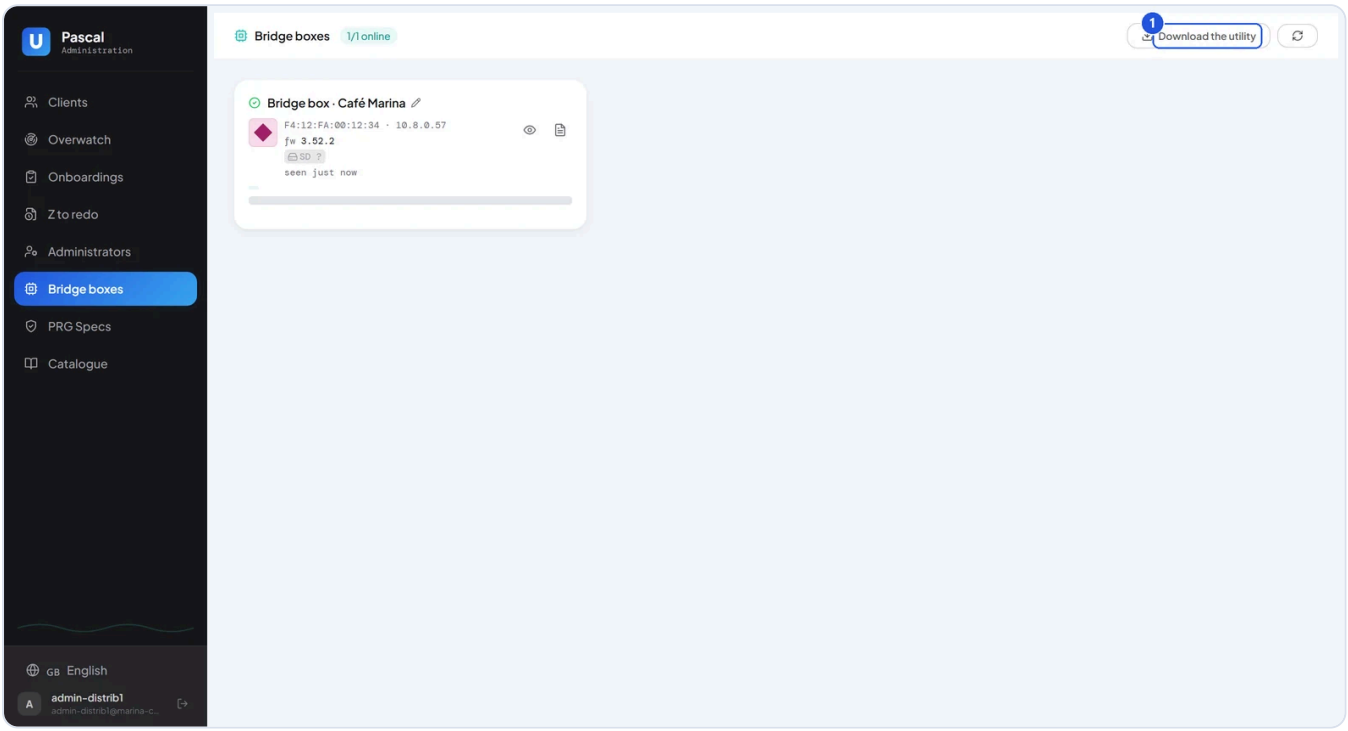
ESP32-S3 ETH Development Board with four callouts

ON THE DEALER PLATFORM

Go to your dealer platform

Sign in to your dealer platform and open the **«Bridge boxes»** tab: it lists your boxes and gives you the utility that prepares a new one.

1. Sign in to your dealer platform
2. Open the **«Bridge boxes»** tab



Bridge boxes tab of the dealer platform, with the download button

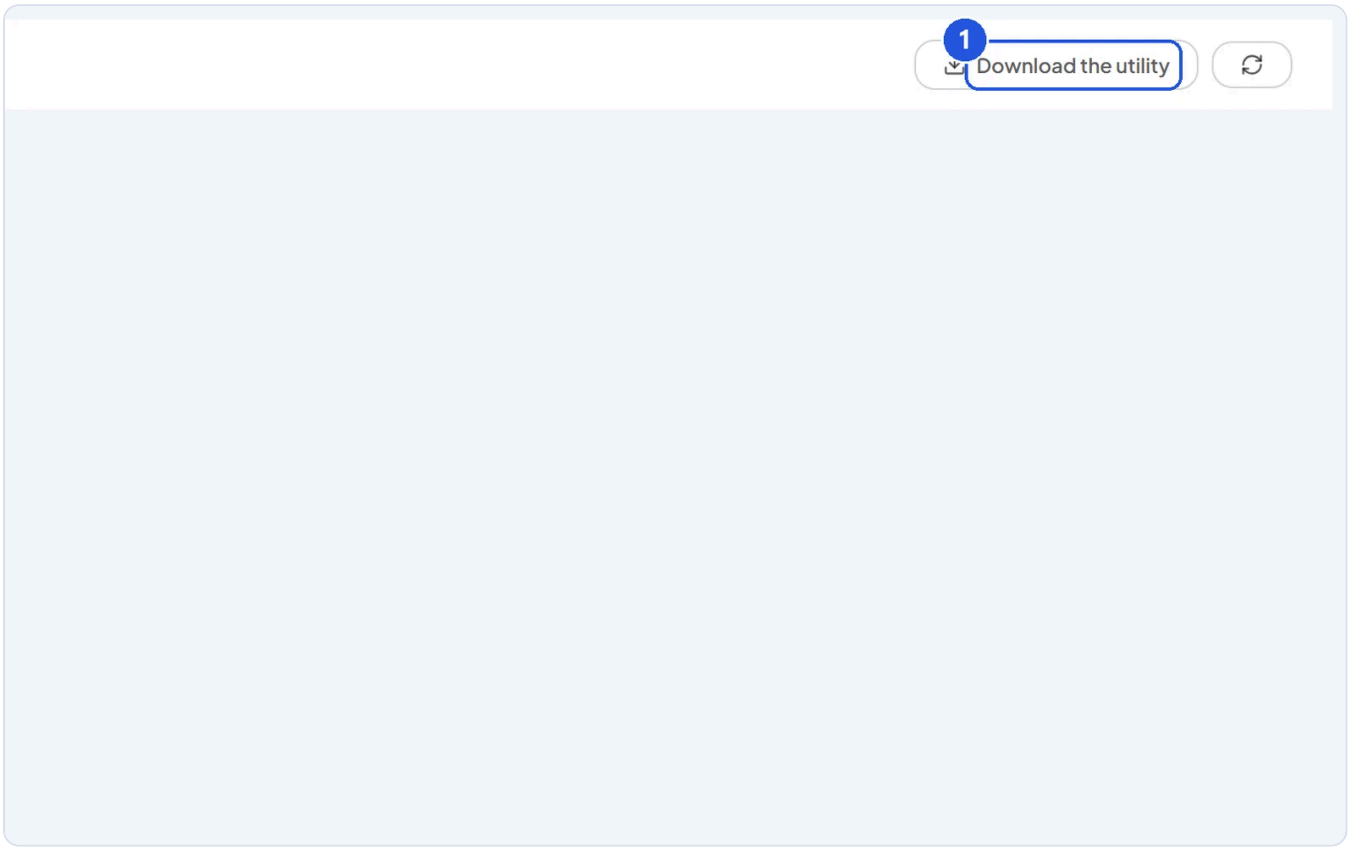
II

ON THE DEALER PLATFORM

Download the utility

Press **«Download the utility»**: you get UniCLOUD Bridge Box Utility, a Windows program with the firmware 3.52.2 inside. There is no separate firmware file.

1. **«Download the utility»**
2. Save the program on your computer



Close-up of the Download the utility button

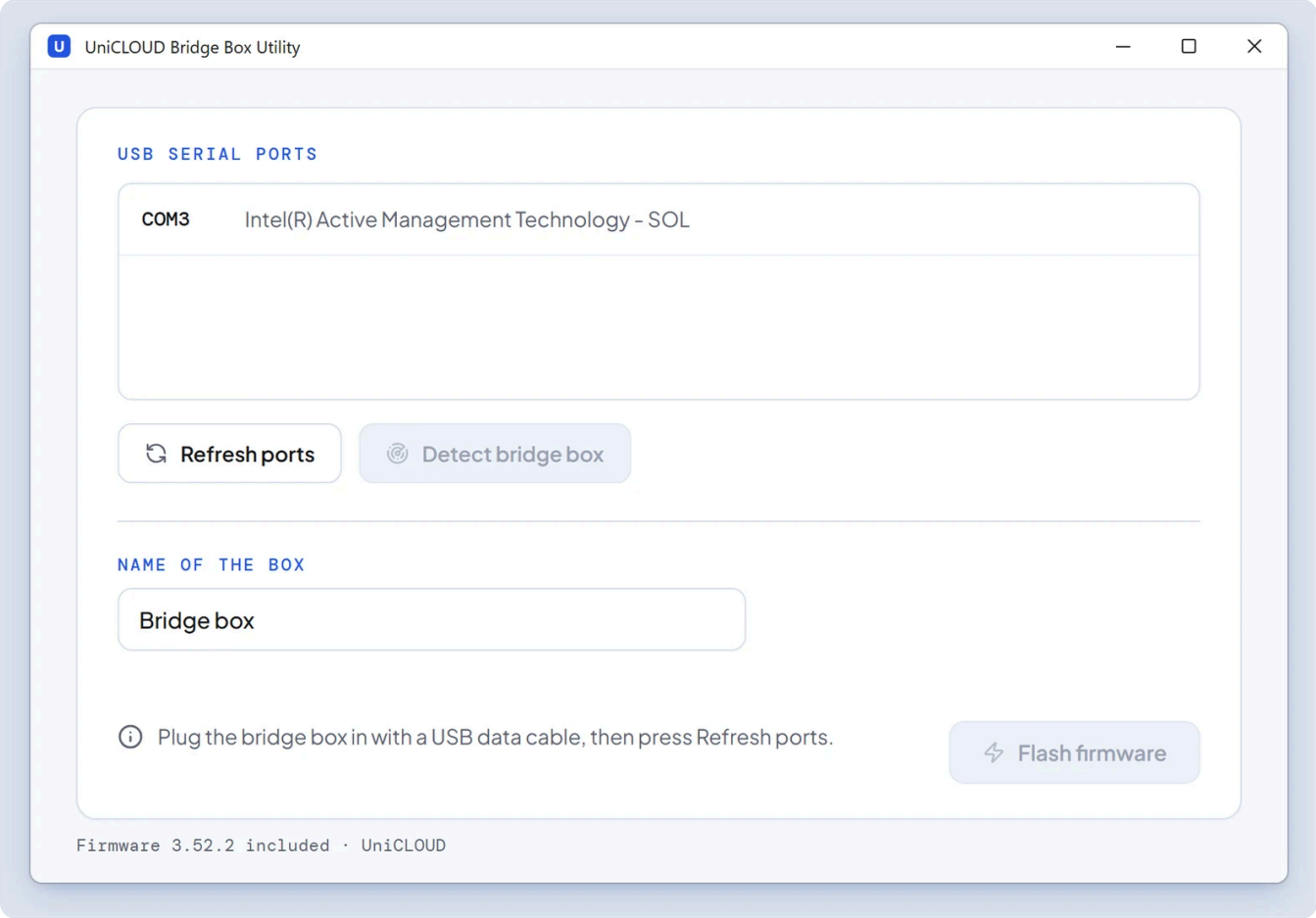
III

ON YOUR COMPUTER

Open the utility

Run UniCLOUD Bridge Box Utility. One window: the USB ports of your computer, three buttons and the name the box will carry.

1. Open the downloaded program
2. If Windows shows **«Windows protected your PC»**: **«More info»**, then **«Run anyway»**



UniCLOUD Bridge Box Utility just opened: port list, buttons and name field

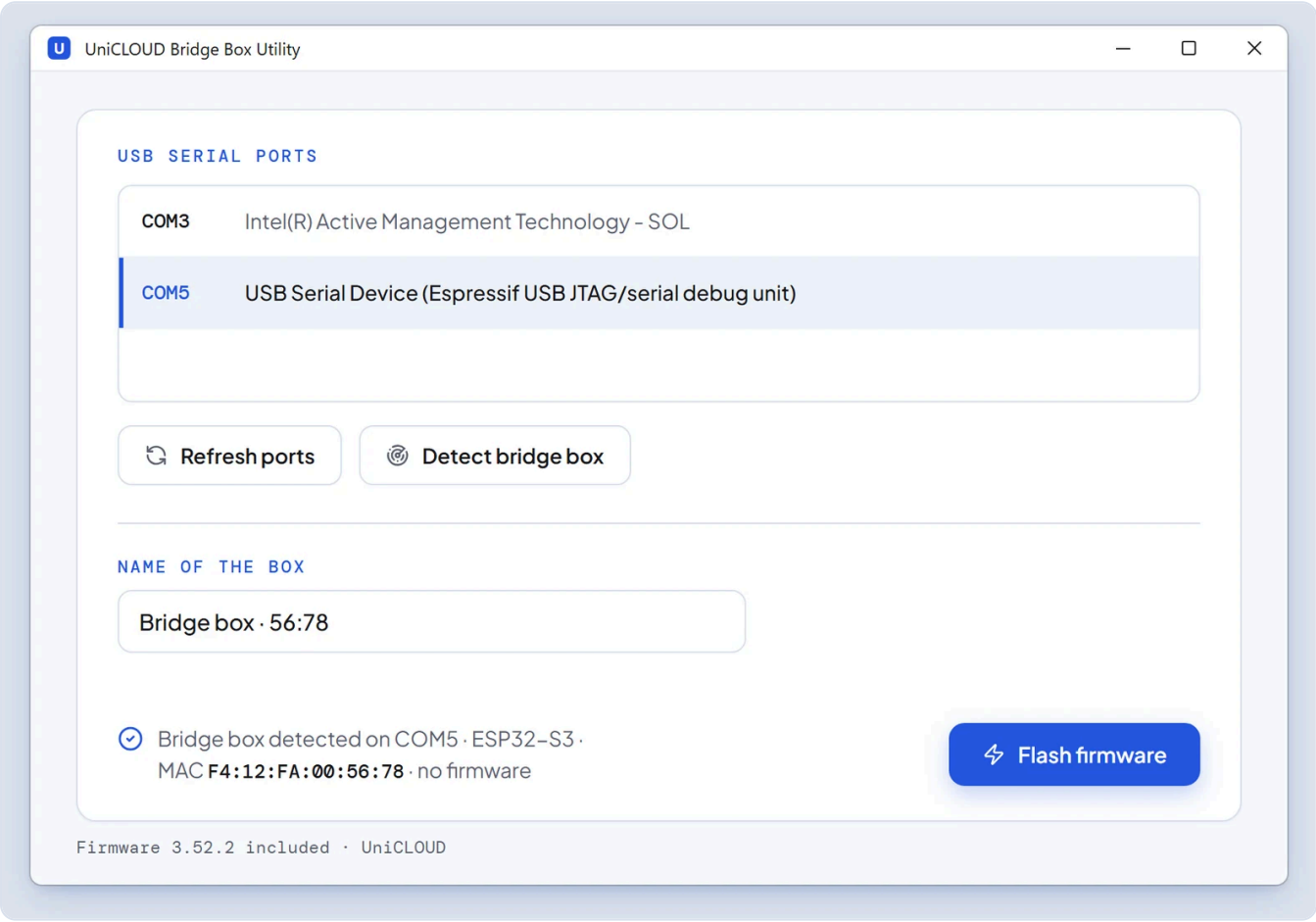
IV

ON YOUR COMPUTER

Plug in the box and scan the ports

Connect the box to the computer with the USB data cable, press **«Refresh ports»**, then **«Detect bridge box»**: the utility finds the port the box answers on.

1. Plug the box in with the USB data cable
2. **«Refresh ports»**
3. **«Detect bridge box»**



The utility has detected the bridge box on a USB port

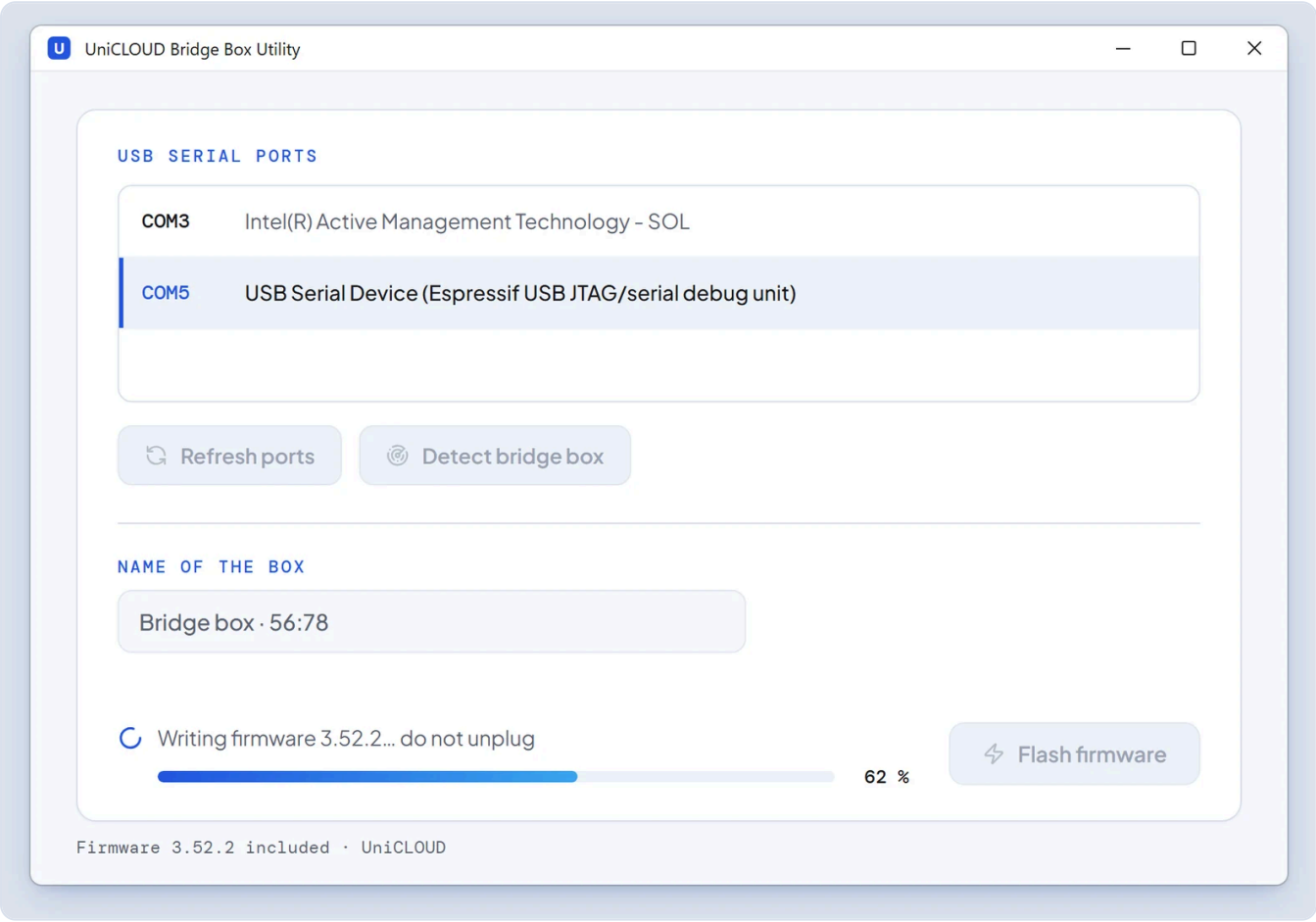
V

ON YOUR COMPUTER

Flash the firmware

Check the **«Name of the box»**: it is prefilled (Bridge box · 56:78 in this example) and you can change it. Press **«Flash firmware»** and wait until the utility reports that it is done.

1. **«Name of the box»**: keep it or type your own
2. **«Flash firmware»**
3. Done: the box restarts by itself, you can unplug it



The utility writing the firmware 3.52.2 to the bridge box

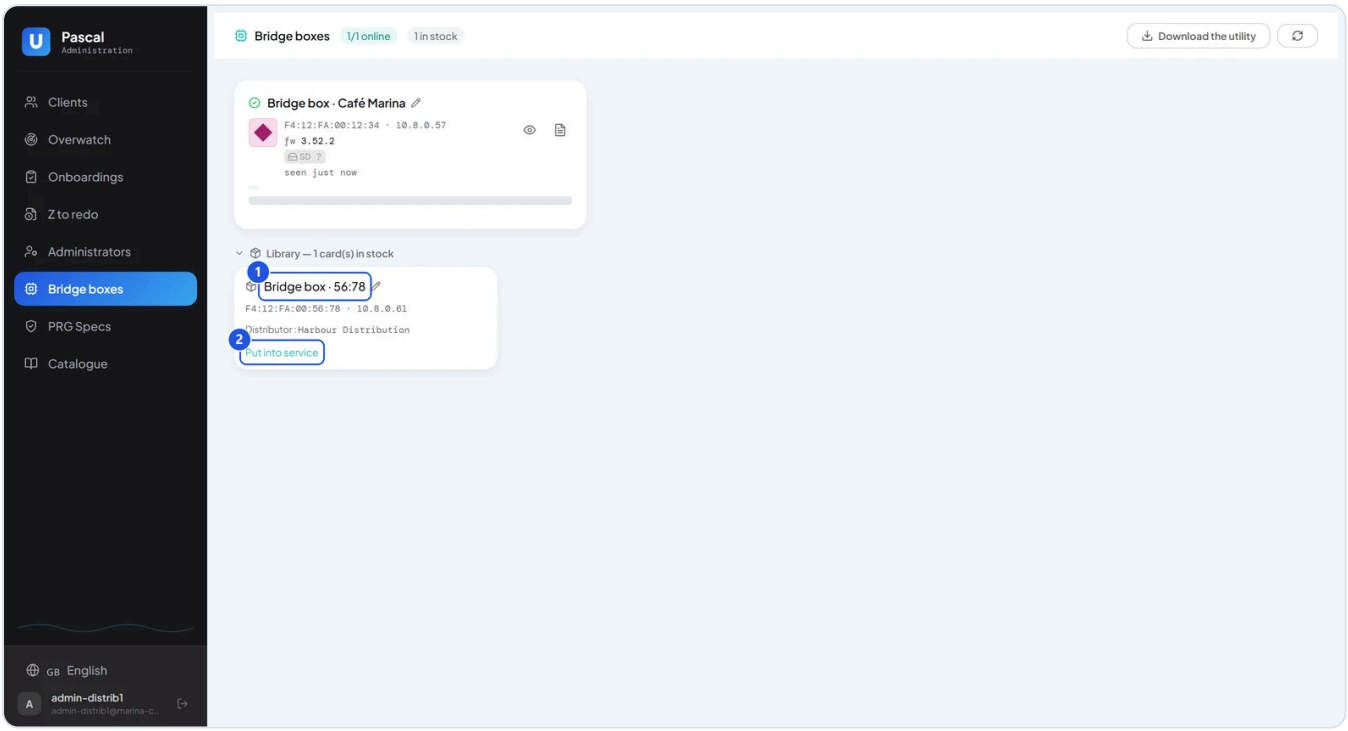
VI

ON THE DEALER PLATFORM

See the box on your dealer platform

Back in the **«Bridge boxes»** tab, the box appears within a minute in the **«Library»**, ready to be put into service.

1. **«Bridge boxes»** tab, **«Library»**
2. **«Put into service»** when you are about to use it



The new bridge box listed in the Bridge boxes tab

The box is ready

Downloaded, flashed, listed: the box waits in the Library of your dealer platform until its onboarding.

- The quick guide: putting the box into service and attaching it during the onboarding
- The Bridge Box Guide: the written reference
- Questions: your UniCLOUD contact