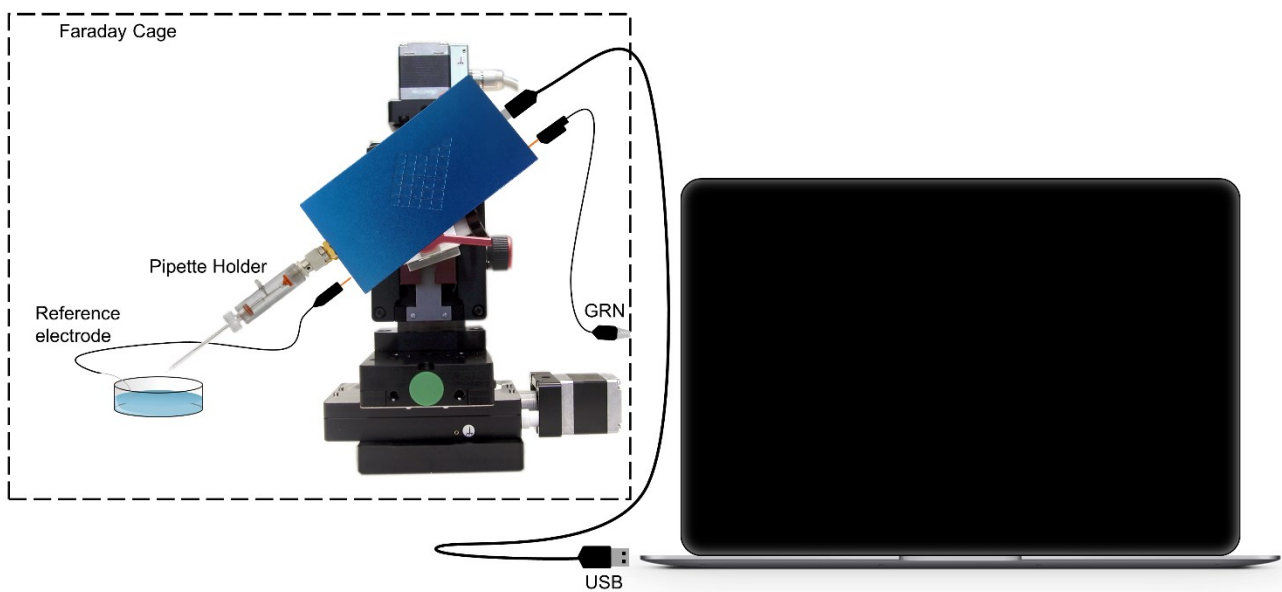




ePatch

Elements patch clamp Miniaturized Amplifier

SETUP AND SOFTWARE INSTALLATION



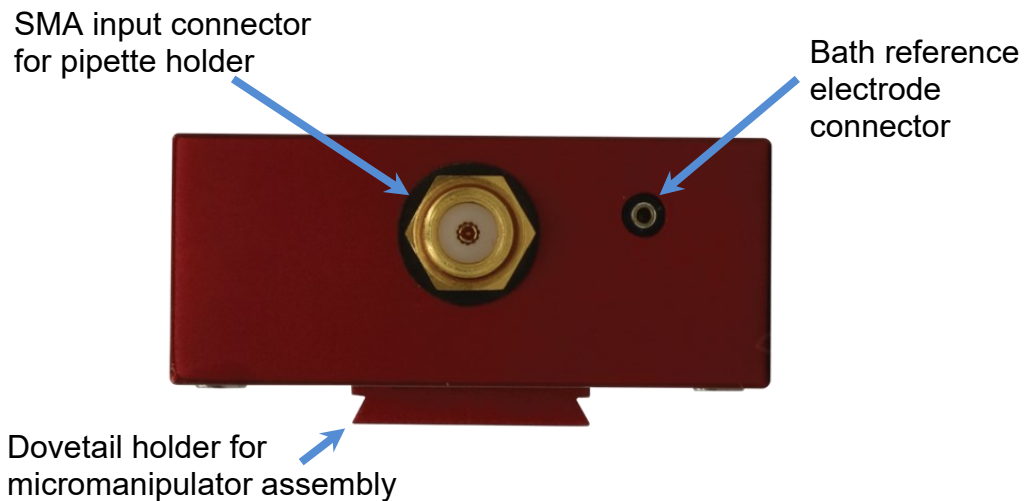
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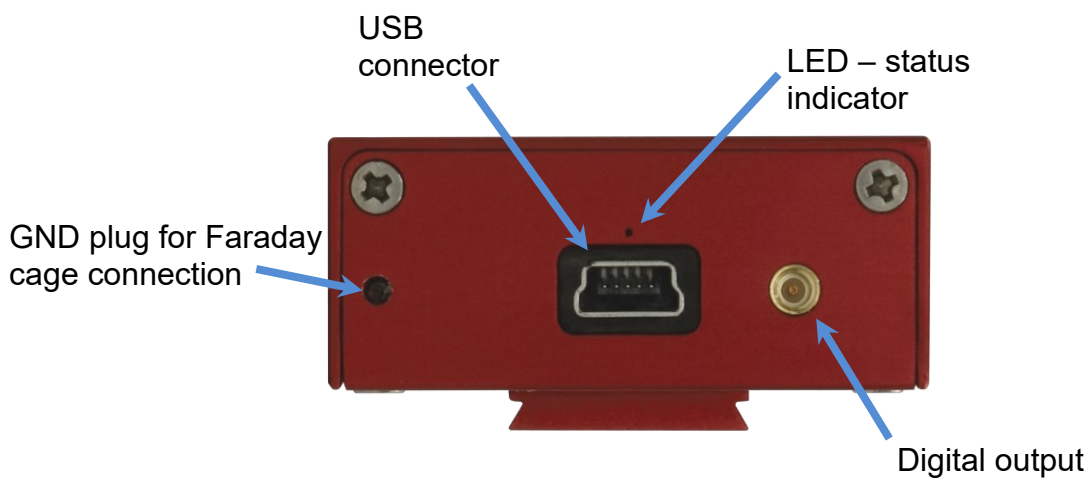
ePatch package content

- ePatch amplifier
- USB cable
- Ground (GND) cable for Faraday cage connection
- Black wire with 1mm pin for bath reference electrode
- SMA Pipette holder
- SMA-BNC adaptor (if ordered)
- Digital-out port to BNC cable adaptor

ePatch front side connectors



ePatch back-side connectors





Setup instructions

- Mount the ePatch on the micromanipulator using either the dovetail or the rod bar holder
- If you mount the SMA pipette holder, directly screw it to the SMA input connector of ePatch. If you use the BNC pipette holder you need the SMA-BNC adaptor to connect the holder to the SMA input of ePatch.
- Connect the 1mm pin to the bath reference electrode connector located on the front side of the amplifier. Insert a \varnothing 0.5 mm Ag/AgCl wire to the other black wire plug or solder the reference electrode to the pin supplied and plug it to the black wire plug.
- Connect the GND cable to the port on the back of the amplifier and attach the clamp to the Faraday cage



Warning:
Do not short-circuit the pipette electrode or the reference electrode neither with the Faraday cage nor with the GND!

The ePatch reference electrode voltage is different to the GND voltage. Short circuits or improper usage/handling could damage the amplifier.

Software installation instructions

- Download EZ Patch software from our website <https://elements-ic.com/epatch-new/#Software> and launch the installation.
- Plug the ePatch device and wait for hardware driver installation (the driver installation may take some minutes).
- Run EZ Patch software and click the “Connect” button to launch the recording session.