Conversion of an sP10.1 to a hybrid sP10.3

Before heading to the site!
Please send Stûv a photo of the fireplace's serial number and a photo of the new board's number (from the conversion kit below) via a Stûv Pro request. To do this, go to your dealer portal > Requests > '+ New request' > 'Technical support'.

Check compatibility with the remote control
If your customer wishes to use a remote control with their fireplace, you must ensure that the number on the back of the remote is higher than 6200.



Receipt of the conversion kit



Tools required:

- Pliers
- Needle-nose pliers
- Cutting pliers
- Metal drill bit Ø 2.5
- 6.5 mm metal drill bit
- 2 x 8 mm spanners
- 14 mm spanner
- Torx 25 screwdriver
- Torx 20 screwdriver
- USB key

1. ⚠ Ensure that the fireplace's power supply is disconnected!

2. Preparing the position of the communication card supports

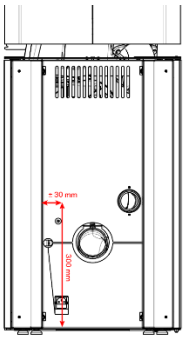


For this step, you will need:

- Template
- Pliers
- Metal drill bit Ø 2.5 mm

Position the template tangent to the upper edge and against the back, drill the 4 Ø 2.5 mm holes.

3. Preparing the antenna on the back of the fireplace





- Drill a 6.5 mm hole just above the reinforcement in the back of the appliance and ± 30 mm from the right-hand edge. And at a height of 300 mm from the bottom of the appliance.

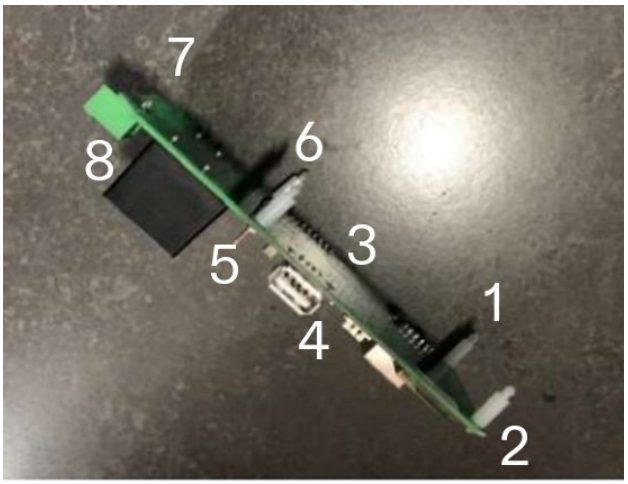
4. Positioning the antenna bracket and antenna





- To tighten the antenna to its bracket, you will need two 8 mm spanners.
- Make sure to fit the sealing/contact washer between the antenna bracket and the bodywork before tightening!

5. Positioning the communication card, connecting the two cables (pay attention to the direction)



Step 1:

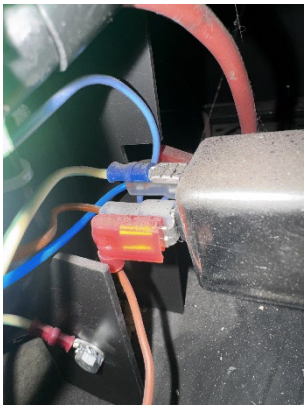
- Ensure that the 4 spacers are placed in the correct positions as shown above (1, 2, 5, 6).



Step 2:

- Insert the card into the pre-drilled holes (see step 2)





Step 3:

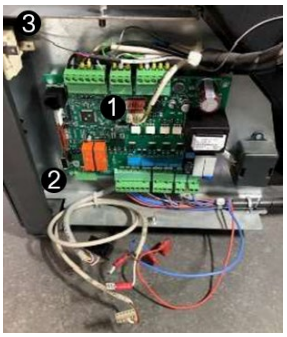
- Connect the power supply to the input filter (see diagram 1, indicated by the circle). Remove the "Faston" plugs and replace them with double "Faston" plugs. Ensure that the blue wire (neutral) is towards the centre of the device and that the brown wire (phase) is towards the outside of the device.



Step 4:

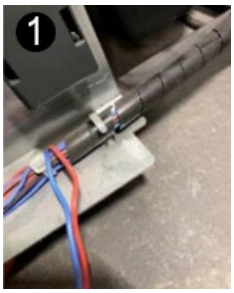
- Do **not connect the circuit board to the power supply yet!** This will be done in a later step.

6. Replacing the management card holder



Step 1:

1. Disconnect the cable from the ON/OFF button on the motherboard side.
2. Disconnect the cable from the remote control receiver.
3. Disconnect the cable from the safety bulb.





Step 2:

- Cut the cable ties on the braid using wire cutters: the main braid (1) and the braids on the back of the card (2))



Step 3:

- Unscrew the head of the safety bulb with a 14 mm spanner.



Step 4:

- Unclip the card from the metal side using needle-nose pliers.



Step 5:

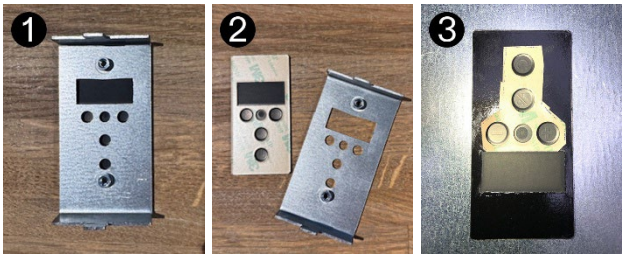
- Move the management card with all the wiring to the side.



Step 6:

- Remove the old card holder with the remaining components (button and receiver, which should be discarded) by removing the two M5 screws (Torx 25) on the front of the fireplace.

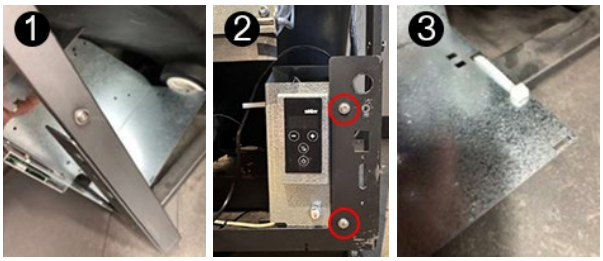
7. Preparing the new bracket



- Ensure that the membrane buttons are properly centred in relation to the metal bracket.

- First, cut the backing paper so that there is a thickness at the location of the buttons (see diagram 3).

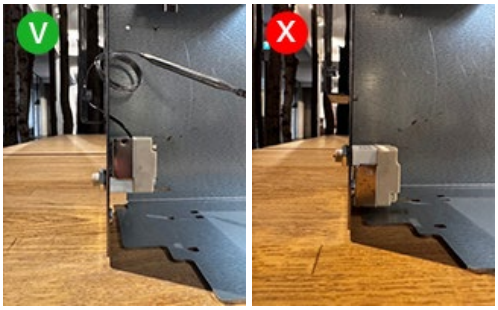
8. Reassemble the control board support



1. To insert the new support into its housing, insert the lower front corner behind it from the inside and then slide it towards the right side (diagram 1).

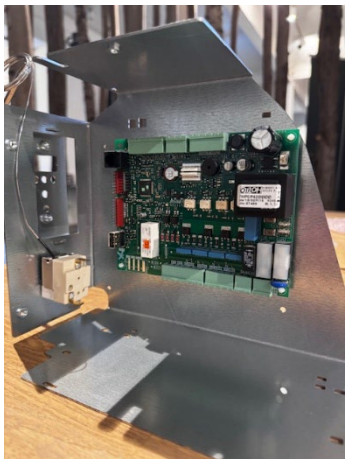
2. Position the bracket: 2 Torx 25 screws on the front (diagram 2) and a cable tie on the back (diagram 3)

9. Refit the head of the safety bulb



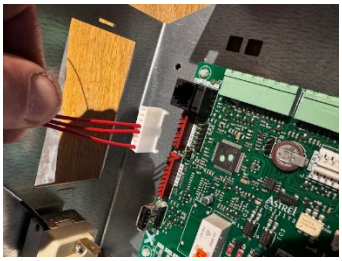
- Refit the security bulb head in the correct direction using a 14 mm flat spanner (there may be interference with the USB key and a risk of electrical contact).

10. Refit the control board onto the new bracket



- Place the management card horizontally, as shown in the image opposite.

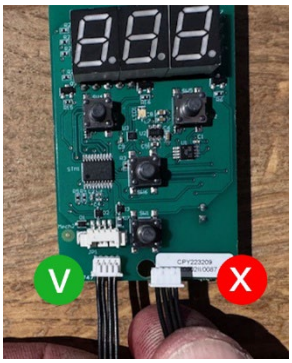
11. Connect the cable between the communication card and the management card

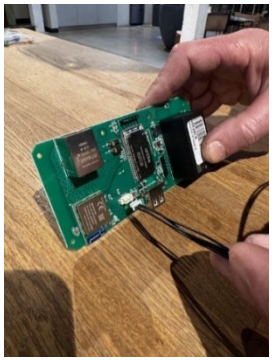


Then connect the « Cable liaison, carte passerelle » (14010120) to the management card. Pay attention to the connections:

- The 8-terminal connection is made on the management board. Orient the terminal block so that the wire is facing downwards.
- The other end of the cable remains temporarily unconnected!

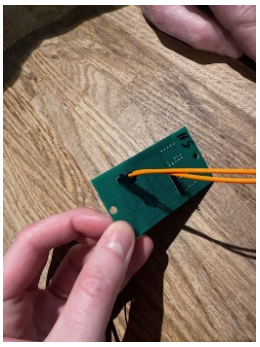
12. Connect the cable between the communication card and the control screen





- Connect the "cable liaison led déportée" between the communication card and the control screen.
- **Pay attention to the direction of the cable;** the metal connectors must be facing you (see photo).

13. Connect the cable between the control screen and the management card

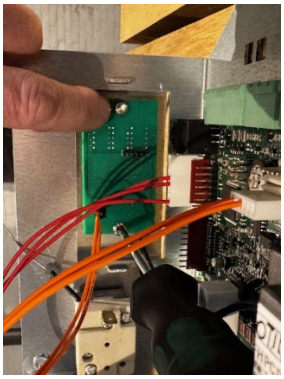




- Connect the "P10.3-HYB cable bouton on/off platine" between the back of the control screen and the management card, as shown below.
- Note for connection to the control screen: if you notice that the cable slides too easily (and could become disconnected due to vibrations), we recommend slightly spreading the two pins of the control screen connection.

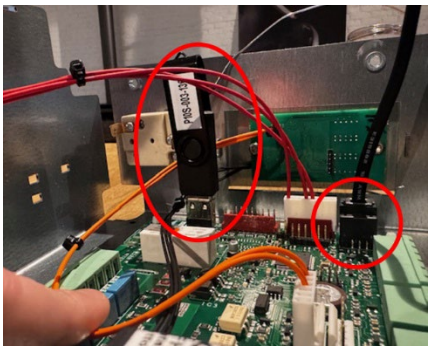
14. Secure the control screen to the support





- Place the display on the bracket using two Torx screws and a Torx 20 screwdriver. Be careful not to overtighten the screws!
- Test the buttons. If necessary, you can loosen the screws slightly (1/4 turn max).

15. Load the software onto the management card



- Prepare the USB key with the software available at this link: https://www2.stuv.com/files/apf/sP10.3-Hybrid_Circuit-board-replacing_EN.zip
- DO NOT START THE PROCEDURE in the instructions; just plug in the USB key!

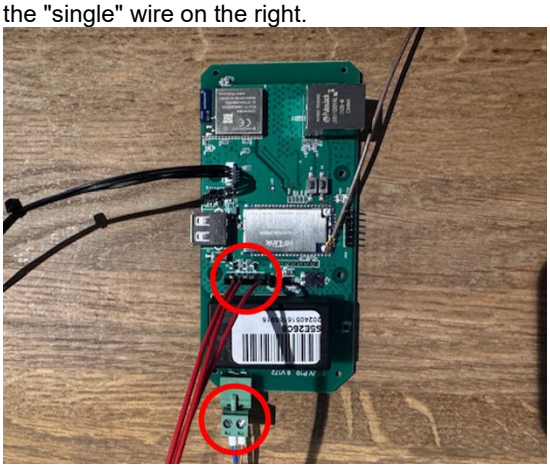
16. Connect the main power supply to the fireplace. Note: the communication card must not be connected to the power supply.



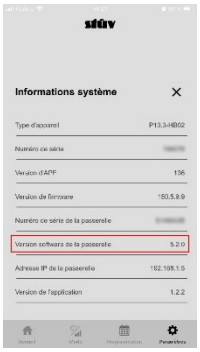
- Once the fireplace's main power supply is connected, follow the instructions you downloaded from the link: https://www2.stuv.com/files/apf/sP10.3-Hybrid_Circuit-board-replacing_EN.zip ! Follow all steps carefully..

17. Completing the procedure

1. Disconnect the main power supply to the fireplace
2. Connect the power supply to the communication card and the connection cable, « carte passerelle » (14010120). Pay attention to the direction: the terminal block should be oriented with the "single" wire on the right.



3. Reconnect the main power supply to the fireplace
4. Networking the sP10 (see installation instructions P10.3)
5. Once the device is communicating properly with the internet and the connection is stable (after approximately 4 to 5 minutes), disconnect the main power supply to your home and wait about ten seconds before reconnecting it. The purpose of this operation is to reboot the communication card and update it.
6. Check the application to ensure that the software version has not changed (see the application opposite).



7. If necessary, repeat the communication card update procedure (until the number no longer changes).
8. Proceed with the TLC pairing (remote control, if the option has been selected) described in the sP10.3 manual.

Your fireplace is now ready for use!!