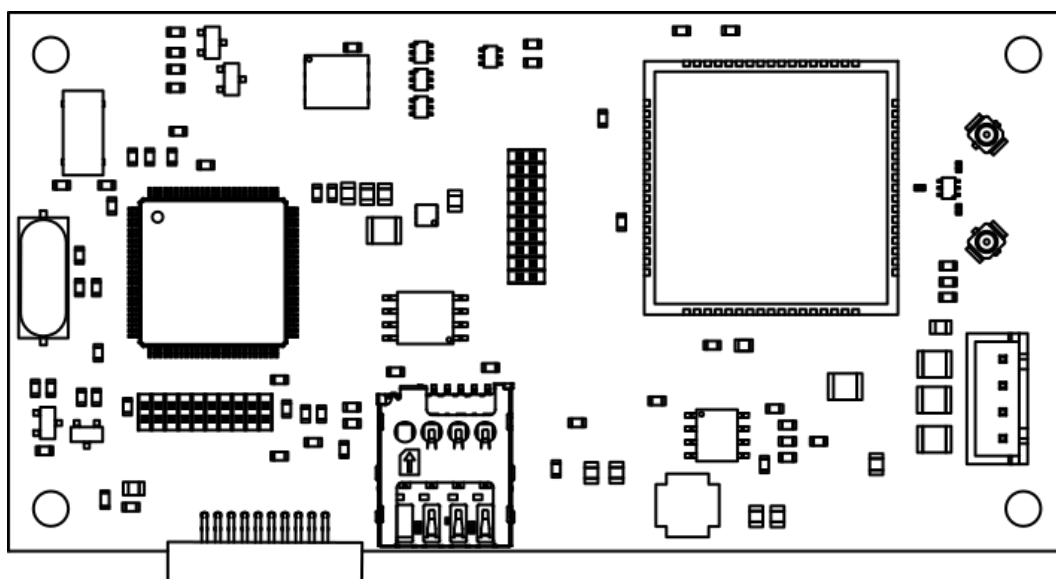


## BBOXX Home

# Replacing or Reconnecting the SMART Control Board



13 June 2016

## Introduction

This guide will show you how to correctly replace a SMART control board to ensure minimal risk in damaging the electronics.

## Requirements

You do not need any tools or items to complete this guide

## Prerequisites

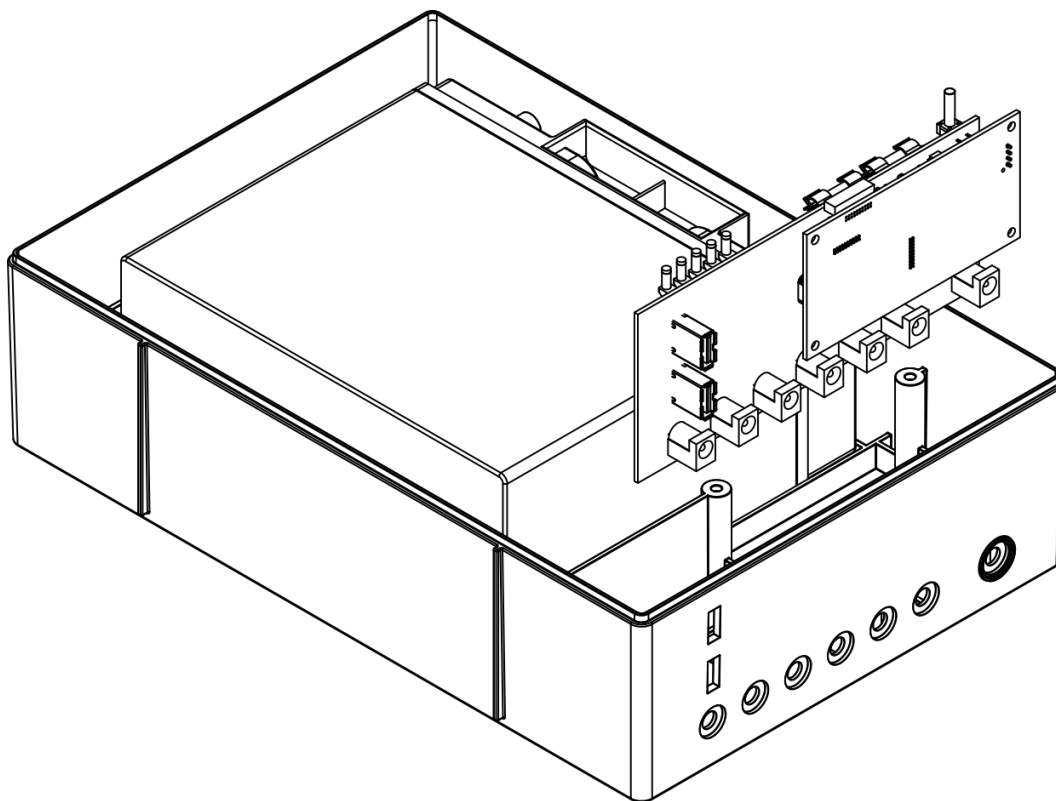
If you have not already accessed the electronics then you will first need to follow the steps outlined in:

- UG-000002: BBOX Home- Accessing the Electronics

## Instructions

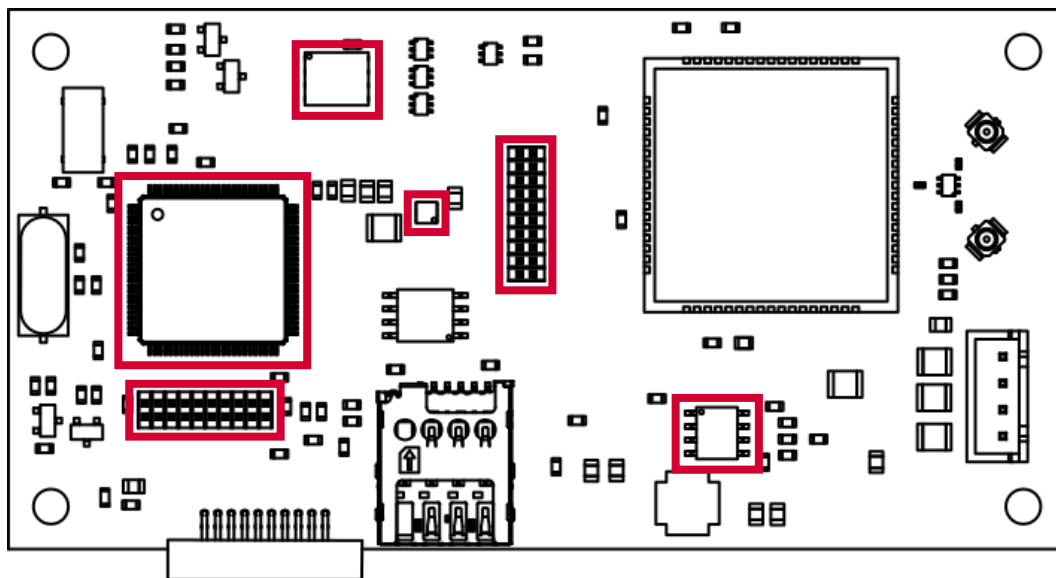
Follow the instructions below to learn how to safely remove the SMART control board and power management board.

## Step 1 – Access the electronics



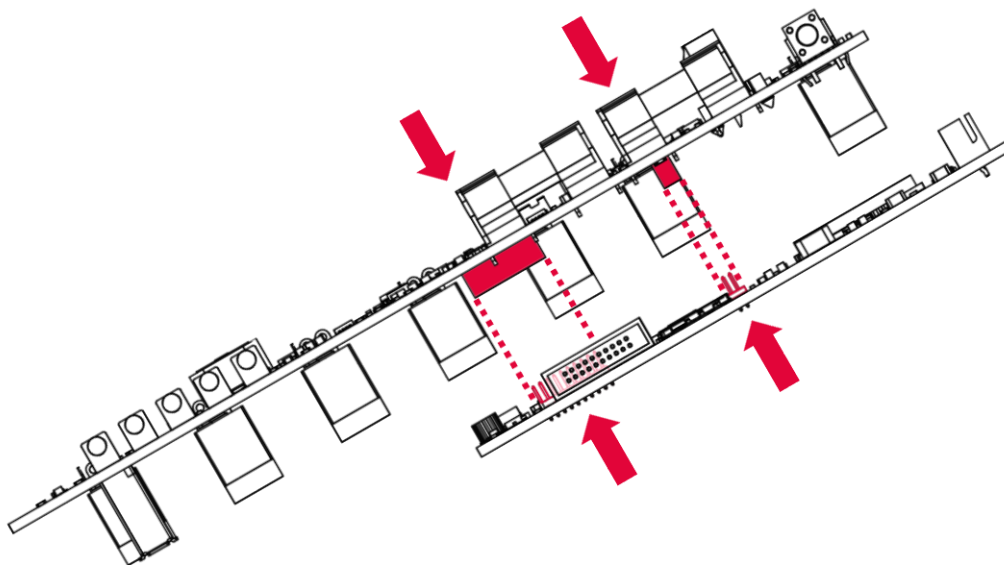
- Follow the steps in **UG-000009: BBOX Home- Accessing the Electronics** to safely access and remove the power management board and the SMART control board.

## Step 2 – Visual check the SMART control board



- Complete a visual check on the SMART control board you are connecting to the BBOX Home.
- Pay particular attention to areas/components highlighted in the image above.
- Look out for obvious physical damage such as chips or burn marks.

## Step 3 – Connect the PCB pair



- Bring the power management board and SMART control board together and very carefully align their connectors. Look at the connection from multiple angles to make sure the alignment is right.
- When happy, gently\* squeeze the boards together.

### **\*WARNING**

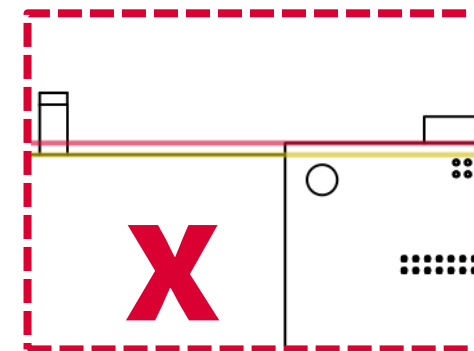
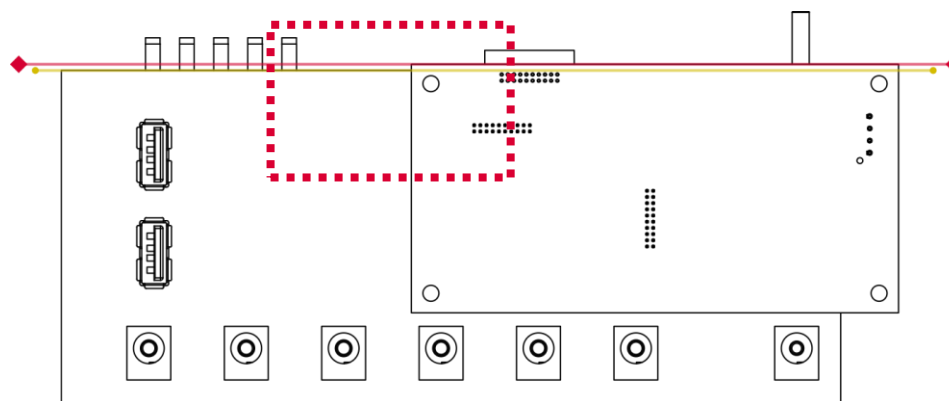
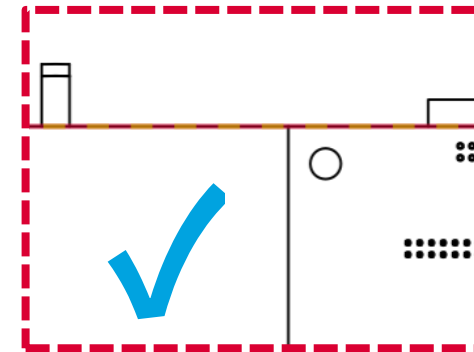
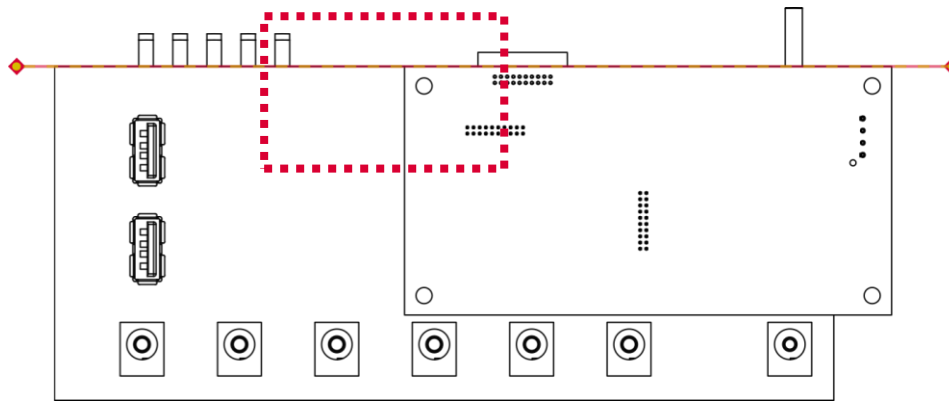
If the boards resist being pushed together then check the pins are all correctly aligned and check for bent pins. Do not apply a lot of force as you risk damaging the connectors

## Step 4 – Inspect the PCB pair

- Visually check that the board alignment is correct:
  - Confirm that the long edge of both boards line up next to each other.
  - Make sure none of the board-to-board connector gold pins are visible.
- The following pages show good versus bad board alignment.

You have successfully replaced a SMART control board.

**The long edge of both boards should align**



**Gold pins should not be visible when connected correctly**





## Additional Support

If any of the below are true please contact BBOXX Product Support directly for help.

- I did not find this document helpful
- One or more of the steps in this document are confusing to follow
- There are errors in this document

Contact us at

[products@bbox.co.uk](mailto:products@bbox.co.uk)