Getting Started

Required Items:

- MicroSD with SX OS [boot.dat] — Download
- Xecuter SX Core
- Switch v1 (Erista) / v2 (Mariko)
- Fine-Tip Soldering Iron (340c) / Solder
- Tri-Wing Y00 and Phillips #00
- Thermal Paste

Recommended Tools:

- Liquid Flux
- Microscope or Jeweler’s Glasses
- Isopropyl Alcohol (91% or Higher)
- Cotton Swabs / Micro Swabs
- Tin Snips / Cutters
- Kapton / Electrical Tape
START OFF BY REMOVING THE 4 TRI-WING SCREWS AND 6 PHILLIPS SCREWS. DON'T FORGET TO TAKE OUT YOUR GAME AND SD CARD!
WATCH OUT FOR THE JOYCON FLEX CABLES AS YOU UNSCREW AND REMOVE THE SHIELDING!

THE SD READER NEEDS TO BE DISCONNECTED FROM UNDER THE FOAM BLOCK. LOOK OUT FOR THE THERMAL PUTTY UNDER THE SHIELD!
Hold it!

Now is the time to unplug the battery from the main board!

Gently lift out the connector found in the corner here.

Now you can unscrew the heat pipe and remove it too!
CAREFULLY REMOVE YOUR NAND BY LIFTING STRAIGHT UP.
NEXT, CLEAN OFF THE OLD PASTE AND GENTLY LIFT OFF THE SHIELDING.

START WITH THESE SPOTS SINCE THERE ARE NO COMPONENTS NEARBY.

PAY CLOSE ATTENTION TO NOT DAMAGE THESE CAPS WHEN REMOVING THE SHIELD!
TAKE YOUR TIME TO GENTLY BUT THOROUGHLY CLEAN OFF THE PASTE

USE MICRO SWABS TO GET THE BOTTOM CAPS EXTRA CLEAN!
Tuck the tabs of the cable under the shielding and line it up.

Solder the anchor points to the shielding first, then each side of the caps.

The caps on a V1 will be vertical instead of horizontal like on the V2.

Use the tip of a pin to "brush" on your flux, or pre-tin the cable before lining it up!
YOUR INSTALL SHOULD LOOK SOMETHING LIKE THIS:
Gently bend back the cable and connect it to the chip, then lay it flat again.

It should line up with the NAND plug. Press down to secure the connection.
Work backwards, replacing thermal paste where needed and cutting the NVIDIA shield to allow the cable to stick though.

When you put on the outer shield, poke the chip through the fan opening.

Connect the USB debug port first, then connect your NAND and lay the whole thing flat while closing the case.
YOU CAN NOW RECONNECT THE BATTERY AND TEST YOUR UNIT. IF THE LIGHT CHANGES TO **GREEN** AND YOU GET THE GRUMPY SD CARD LOGO, YOUR INSTALL IS COMPLETE!
FAQ

Q - How difficult is this installation?
A - This is an advanced installation, if you don’t have the proper tools or experience, we recommend contacting your local tiny soldering guy or mod shop to have the installation done for you.

Q - The Switch boots to the bootloader, but gets stuck on the JoyCon logo afterwards
A - You will need to ensure you did not damage these caps when removing the shielding. If they are damaged, you can order replacement SMD 0.1μF 10v 0201 components to replace them to fix the issue.

Q - The light turns pink and system won’t boot.
A - This means the chip is having trouble talking to the NAND, typically from bad solder joints.

Q - The light turns green and boots to the bootloader, but the Switch OS won’t boot.
A - Make sure you are using a FAT32 formatted SD card, as you may be missing the exFAT driver. You may also need check the connection of SP1.

Q - I need more help!
A - Join the support forums (https://team-xecuter.com/community/) or chat (https://xecuter.rocks/).
SMD 0.1μF 10v 0201