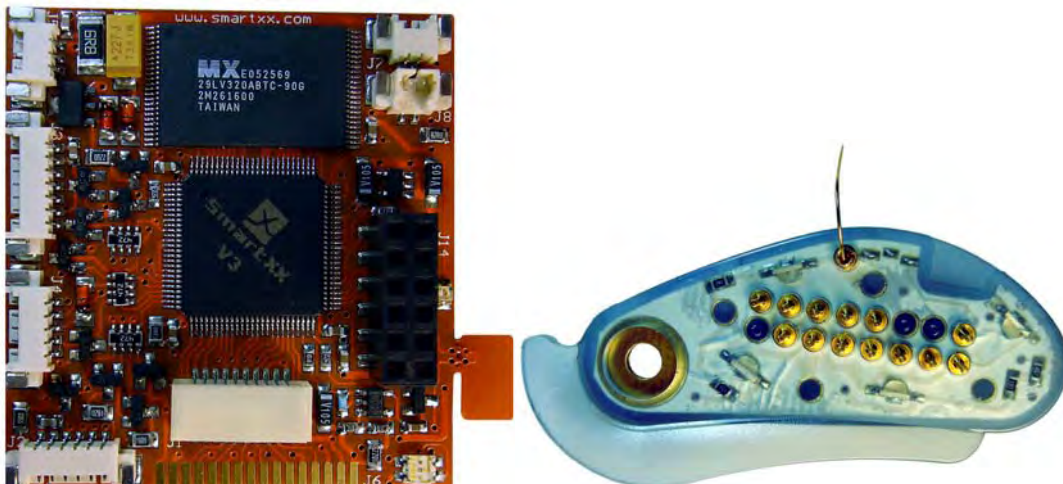# HOW TO INSTALL YOUR SMARTXX V3 & XAPT3R SOLDERLESS ADAPTER For XBOX

(FOR VERSIONS 1.0 – 1.5)

Table of Contents

RECOMMENDED TOOLS FOR SOLDER INSTALL:

OPTIONAL: Please read the SmartXX Solder Install Manual

BEFORE YOU BEGIN (Solder Install Only):

OPTIONAL: Please read the SmartXX Solder Install Manual

Your mod-chip comes shipped to you with all the necessary supplies (i.e. cables, mod-chip…etc.) needed to complete your installation as shown below in figure #1 & figure #2.

LPC REBUILD PCB
(FOR VERSION 1.6 ONLY)

SMARTXX V3 MODCHIP

SPIDER ADAPTER

WIRE HARNESS

STICKER

DVD HARNESS

IR HARNESS

FIGURE #1

BASE SCREW

LPC RIVIT FURROW'S
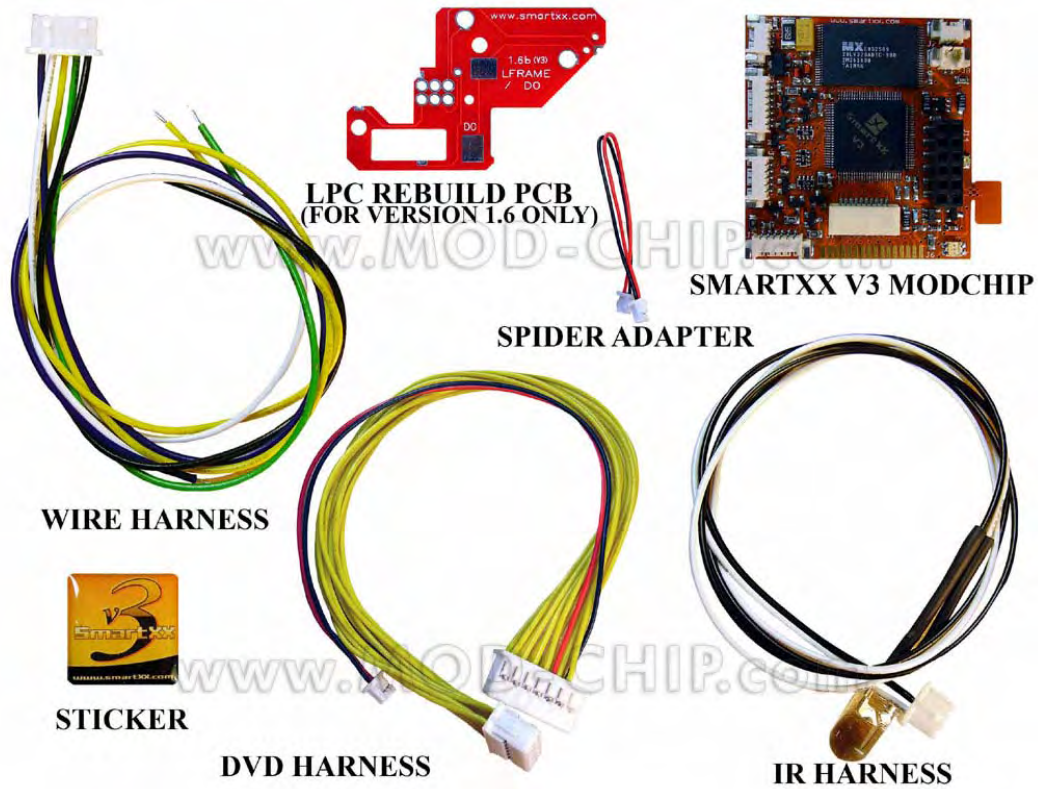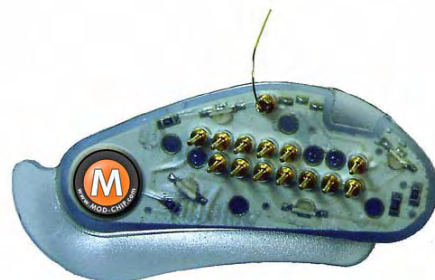
XAPT3R ADAPTER

TOP SCREW

FIGURE #2

DISASSEMBLE YOUR XBOX

First verify which version Xbox you have because the installation will differ depending on the model you are installing it to; this manual will cover versions 1.0 – 1.5. Disassemble your Xbox and remove the motherboard as shown below in figure #3.

FIGURE #3

THERE ARE MORE HELPFUL TIPS IN THE FULL MANUAL!!!

SOLDERLESS INSTALL

Locate the LPC portholes, which should be orientated next to the IDE connector and insert the brass rivet furrows as shown below in figure #4. Although this step is optional, it is recommended that you install these furrows, as it will increase the reliability of the LPC porthole connections. **NOTE: the tapered side must be on top of the motherboard. Certain holes require furrows (see figure below). Use tweezers to help insert the furrows into place!!!**
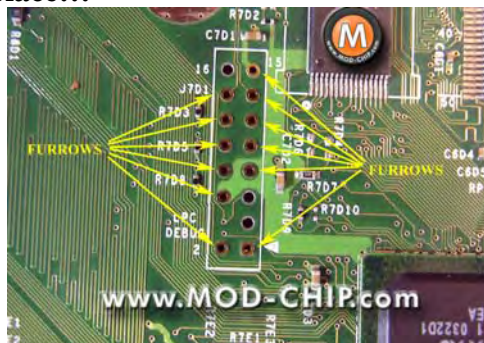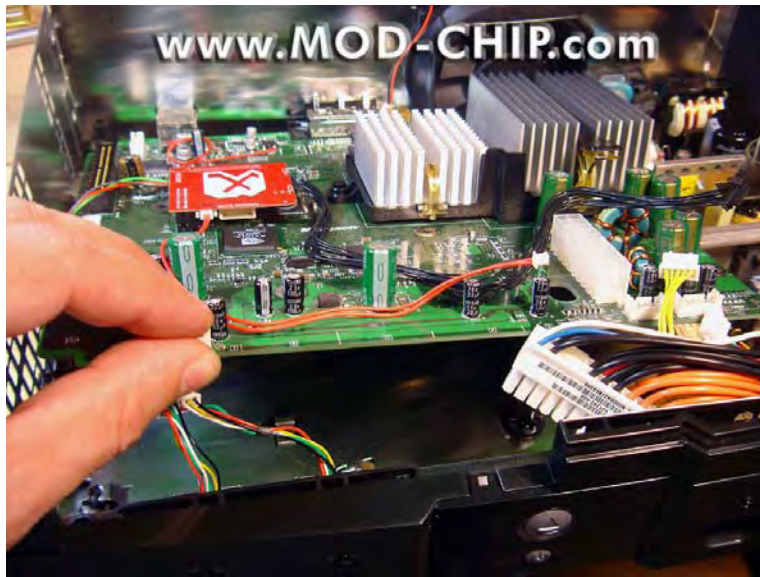

FIGURE #4

Insert the motherboard as shown below in figure #5 and reinstall all the #10 Torx screws. **NOTE: remember that the furrows are installed and they may come out if you are not careful when placing the motherboard back into the console.**

FIGURE #5

INSTALL THE XAPT3R

Remove the Torx screw and replace it with the Xapt3r base screw using a #1 slotted screwdriver as shown below in figure #6. **NOTE: remember, you are screwing this into plastic so do not over tighten it or you will strip the plastic threads!!!**

AVAILABLE TO MOD-CHIP.COM CUSTOMERS ONLY.

FIGURE #6

Next, place the Xapt3r into place making sure that the underlying pins fit snug over each rivet furrow. Place the Xapt3r top screw into place and tighten it down using a #1 slotted screwdriver as shown below in figure #7.

FIGURE #7

Gently apply a little pressure evenly until you here a click sound; this means that you have seated your Xapt3r. Now tighten the top screw some more while holding down the Xapt3r to be sure that it's secure.

THERE ARE MORE HELPFUL TIPS IN THE FULL MANUAL!!!

FIGURE #8

INSTALL THE D0 WIRE

Position the D0 wire over the pad using your fingers or long-nose pliers. **NOTE: Figure #9 and 10 below illustrate the D0 location.**
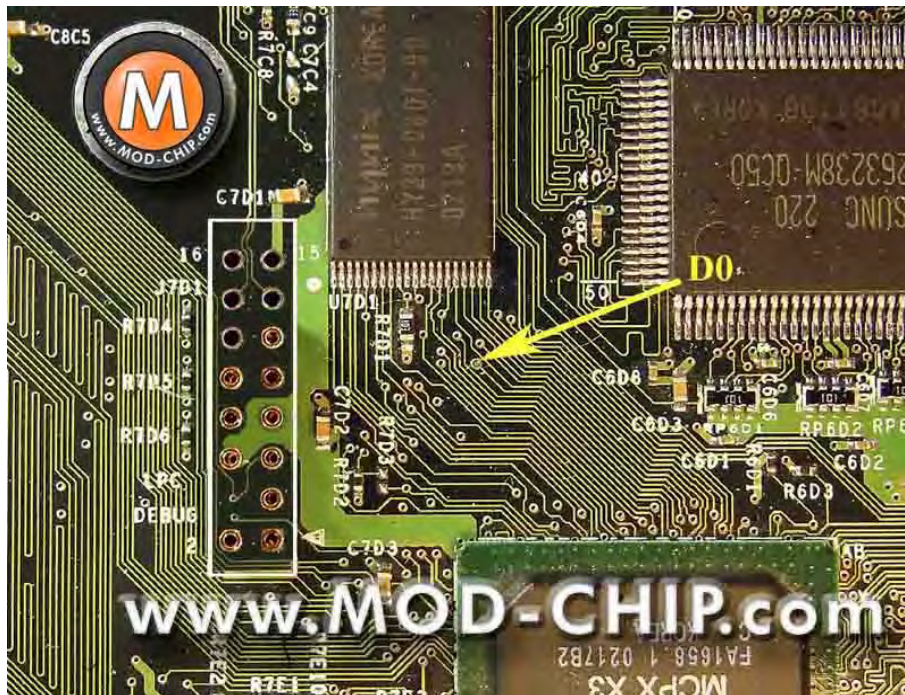

FIGURE #9 (V1.0 – V1.1)

FIGURE #10 (V1.2 – V1.5)

Now press down on the D0 wire until you feel it clicks into place as shown below in figure #11. **NOTE: don't worry about bending this wire while inserting it; just don't push too hard where the wire bends permanently.**

FIGURE #11

TESTING YOUR XAPT3R ADAPTER INSTALL

You need to test this installation to be sure that it is functioning properly before installing your mod-chip. Plug-in your Xbox and hit the power button; if you have installed your Xapt3r correctly, you should see three blue lights appear as shown below in figure #12.
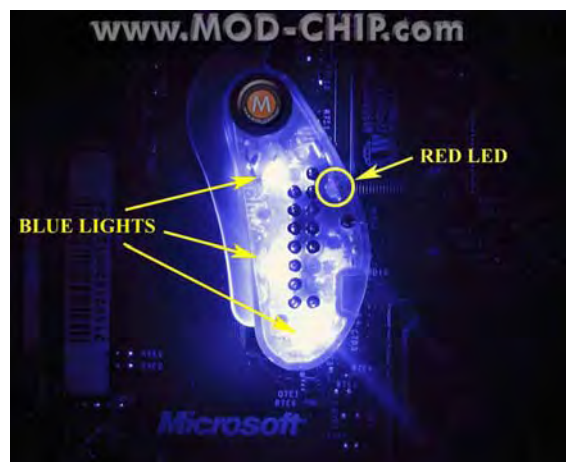
FIGURE #12

Now install the mod-chip as shown below in figure #13. Pay attention to the chips orientation. If you installed everything correctly you will notice a blue LED on the chip is flashing, this is normal and your installation is correct. **NOTE: DO NOT remove the D0 PCB or you will be forced to solder the D0 wire to correct that situation (see wire install section).**

FIGURE #13

Now plug in your XBox AV and power cables. Turn your XBox on and you should see the SmartXX main menu as shown below in figure #14, if not, see the troubleshooting section of this manual. Now go to the installing extras section of this manual. **NOTE: you do not need your DVD or hard disc drives plugged in at this time.**

FIGURE #14

WIRE INSTALL

OPTIONAL: Please read the SmartXX Solder Install Manual

INSTALLING EXTRAS

Infra Red LED

The only way to route the IR LED is to fish the harness through the console front panel starting from the outside as show below because the LED will not fit through these openings.

THERE ARE MORE HELPFUL TIPS IN THE FULL MANUAL!!!

FIGURE #28

Pull the harness through the USB mounting holes as shown below in figure #29.

AVAILABLE TO MOD-CHIP.COM CUSTOMERS ONLY.

FIGURE #29

Use black electrical or clear tape (hot glue might work) to secure the LED to the outer case as shown bellow in figure #30. **NOTE: a reminder that this LED is basically useless until an IR receiver is available and you might want to skip this installation.**
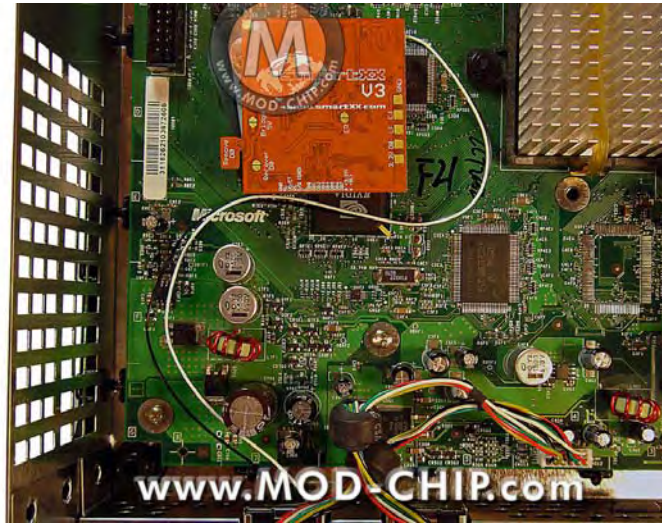

FIGURE #30

Connect the other end of the IR harness to the mod-chip as shown below in figure #31.

AVAILABLE TO MOD-CHIP.COM CUSTOMERS ONLY.

FIGURE #31

Your final install should look something like figure #32 below.

FIGURE #32

XLCD

This chip supports the Xecuter XLCD which you can purchase at mod-chip.com. You will need to install the DVD harness as shown below in figure #33.

FIGURE #33

Next connect the red and black DVD harness and the Xecuter XLCD harness to the mod-chip as shown below in figure #34.
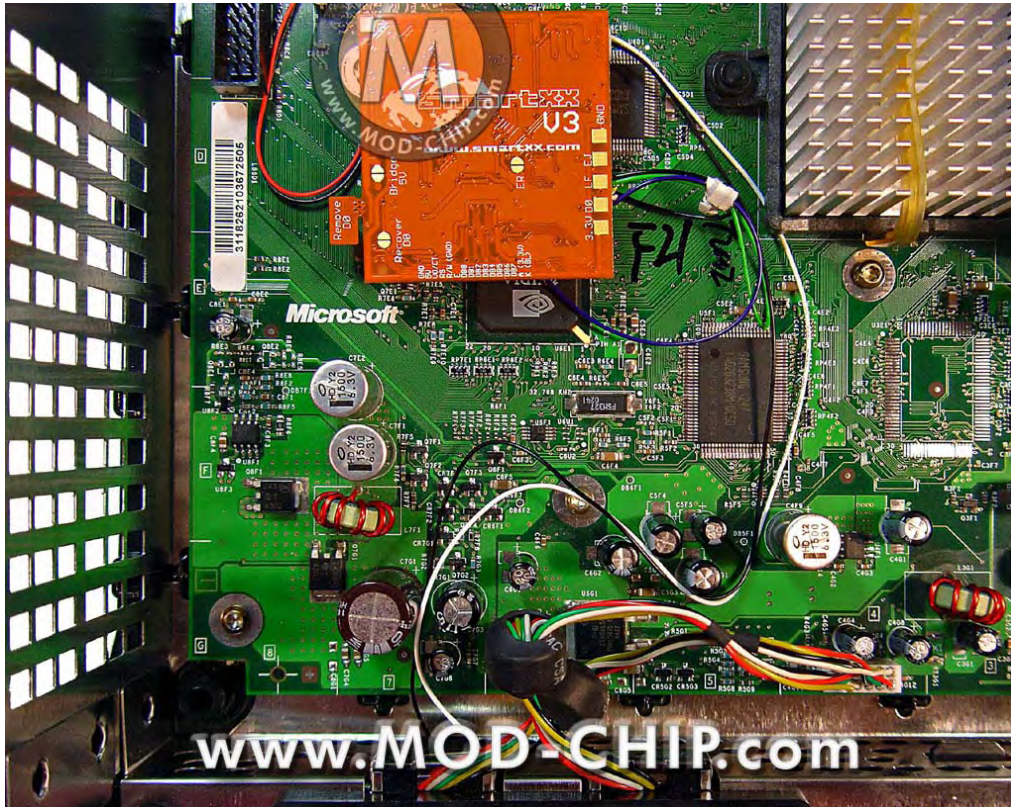
FIGURE #34

Install your XLCD screen on your front panel and connect the other end of the XLCD harness to the screen and you are finished!!!

Below is an example of a wire install (without the XLCD screen).

FIGURE #35

TESTING YOUR GAME CONSOLE

Congratulations, you now have your mod-chip installed!!! Reassemble your game console and test it to make sure it is working properly. To do this, connect up your DVD Rom and Hard Drive to the Xbox motherboard and then plug in your AV and power cables. If you have followed the above directions correctly, the SmartXX BIOS screen should appear (see figure #14).

REBUILD THE D0 PCB

In case you cut off the D0 PCB by mistake there is a fix solution.

FLASHING YOUR MOD-CHIP

AVAILABLE TO MOD-CHIP.COM CUSTOMERS ONLY.

HOW THIS MODCHIP WORKS:

Turning the chip 'on' only serves to ground D0. When D0 is grounded, the Xbox looks for the BIOS on the LPC points instead of the usual TSOP location on the motherboard. If the Xbox can't find the BIOS on the LPC it frags (frag: Flashes Red And Green) which turns itself on/off and flashes lights. With the chip off it never looks to the LPC so there is no problem. It's literally that simple. All a mod-chip really does is hold a BIOS for you.

THERE ARE MORE HELPFUL TIPS IN THE FULL MANUAL!!!

TROUBLESHOOTING

This tutorial is to help you troubleshoot install issues and give you a fairly comprehensive understanding of what is going on when you install a mod-chip. This covers about 95% of the problems that people have. If you need further assistance or your symptoms don't seem to match what's here, please look in the forums for help. You can find more help on the forum or by viewing the FAQ's.

1) If the Xbox frags with the chip enabled and boots normally with the chip disabled - your D0 is fine and the problem is the LPC:
- In most cases the chip isn't installed correctly; reinstall/re-solder the mod-chip.
- It will frag if the chip itself doesn't have a bios on it.

- In some rare cases this can indicate motherboard damage localized on the LPC. The Xbox is still fully functional with the chip disabled but there may be a burnt/bridged/damaged trace or some other issue that prevents the LPC from functioning properly.
- It can also be heat related (this brings us back to a poor installation or solder job).
- If you are confident all of the above is fine then test the mod-chip itself in another box that is working with the same chip installed.

2) THERE ARE MORE HELPFUL TIPS IN THE FULL MANUAL!!!

9) I can't access the SmartXX OS any longer or I want to see the menu again
- Hit the power button, and watch the eject button. After about a half second or so the eject will flash red. Simply hit the eject button while it is red, and it will take you to the SOS.

XBOX LIVE USERS:

AVAILABLE TO MOD-CHIP.COM CUSTOMERS ONLY.

THIS IS JUST A SNAPSHOT OF THIS MANUAL, A FULL VERSION OF THIS MANUAL IS AVAILABLE TO MOD-CHIP.COM CUSTOMERS ONLY.