



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

(FOR VERSION 1.6+)

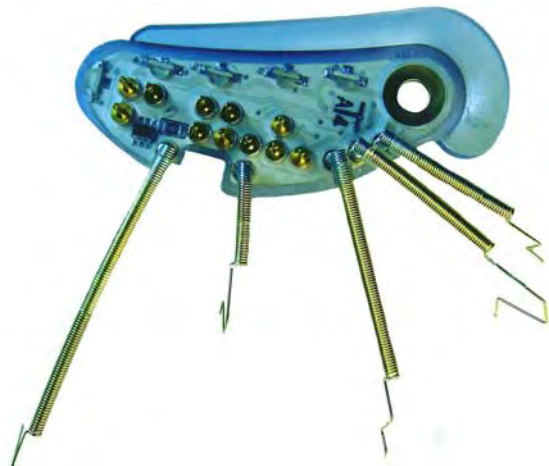
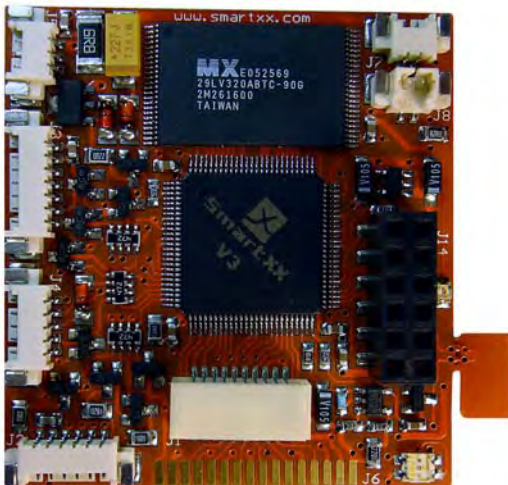


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RECOMMENDED TOOLS FOR SOLDER INSTALL:

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.

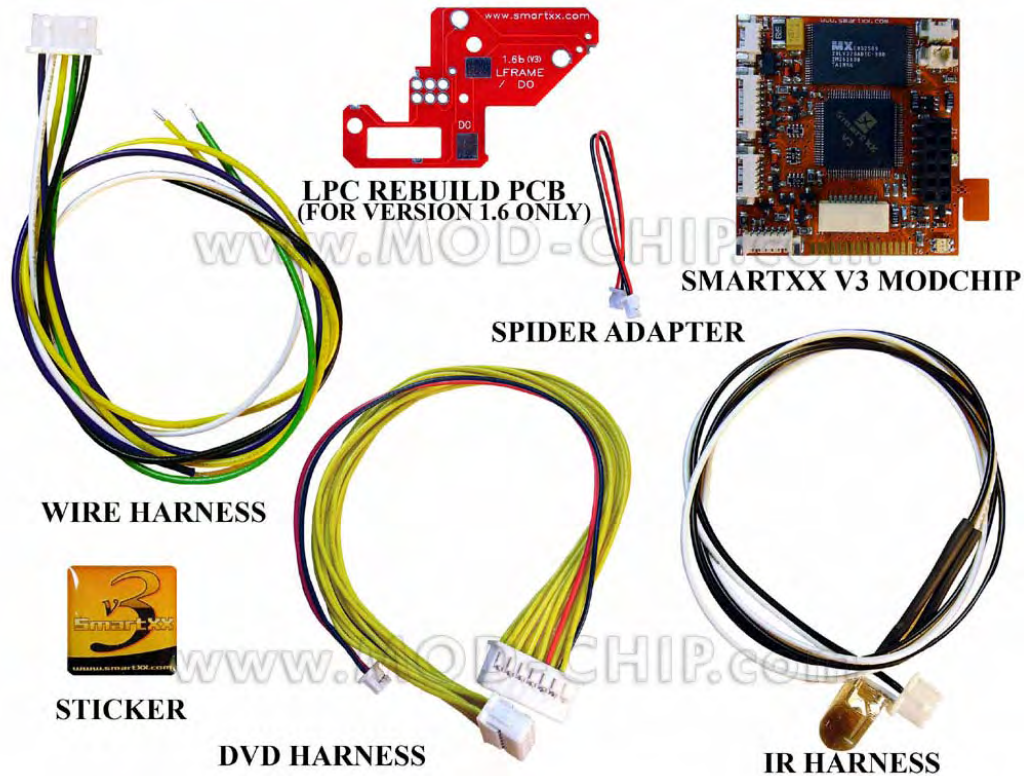


FIGURE #1



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 version 1.6. Disassemble your Xbox and remove the motherboard as shown below in figure #3.



FIGURE #3

PLEASE NOTE: ANY MODIFICATION TO YOUR XBOX GAME CONSOLE IS CARRIED OUT AT YOUR OWN RISK!!!

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

SOLDERLESS INSTALL

Below is the wire legend for the Xapt3R 1.6 adapter.

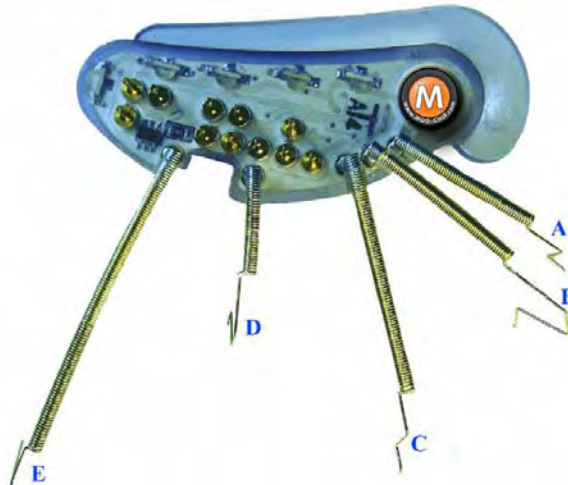


FIGURE #4

You will match each wire to the motherboard legend below when installing each of your wires as shown in figure #5. **NOTE: wire C and wire E are the most difficult to insert because you will need to bend the springs to insert those wires so take your time.**

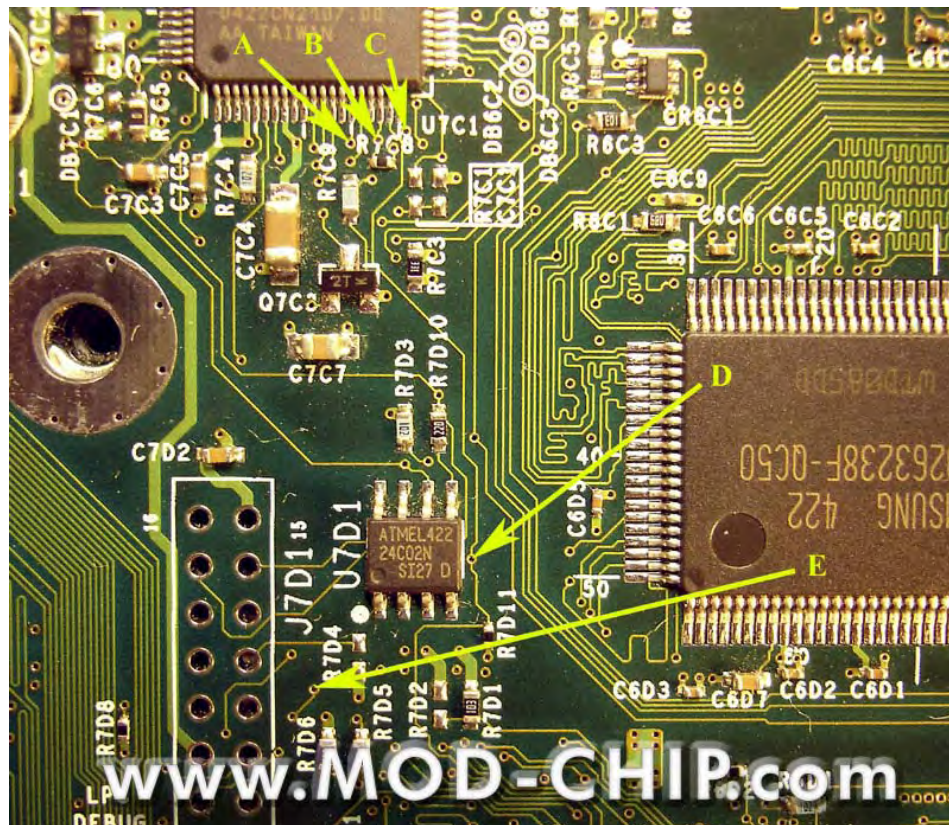


FIGURE #5

Remove the Torx screw and replace it with the Xapt3r 1.6 base screw using a #1 slotted screwdriver as shown below in figure #6.

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FIGURE #6

Next, place the Xapt3r 1.6 into place making sure that the underlying pins fit snug over each LPC hole. Place the Xapt3r 1.6 top screw into place and tighten it down using a #1 slotted screwdriver as shown below in figure #7. **NOTE: it is not important at this time if the Xapt3r 1.6 wires are in their places.**



FIGURE #7

INSTALLING THE ADAPTER WIRES

Position each wire over their pad using your fingers or long-nose pliers and gently push the wire through the pad hole.

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

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FIGURE #8

TESTING YOUR XAPT3R ADAPTER INSTALL

You need to test the adapters 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 1.6 correctly, you should see four green lights and a blue light appear as shown below in figure #9. **NOTE: the blue led if lit indicates a good contact with the LPC holes. The bottom green led is lit when a good D0 wire contact is made (wire C).**

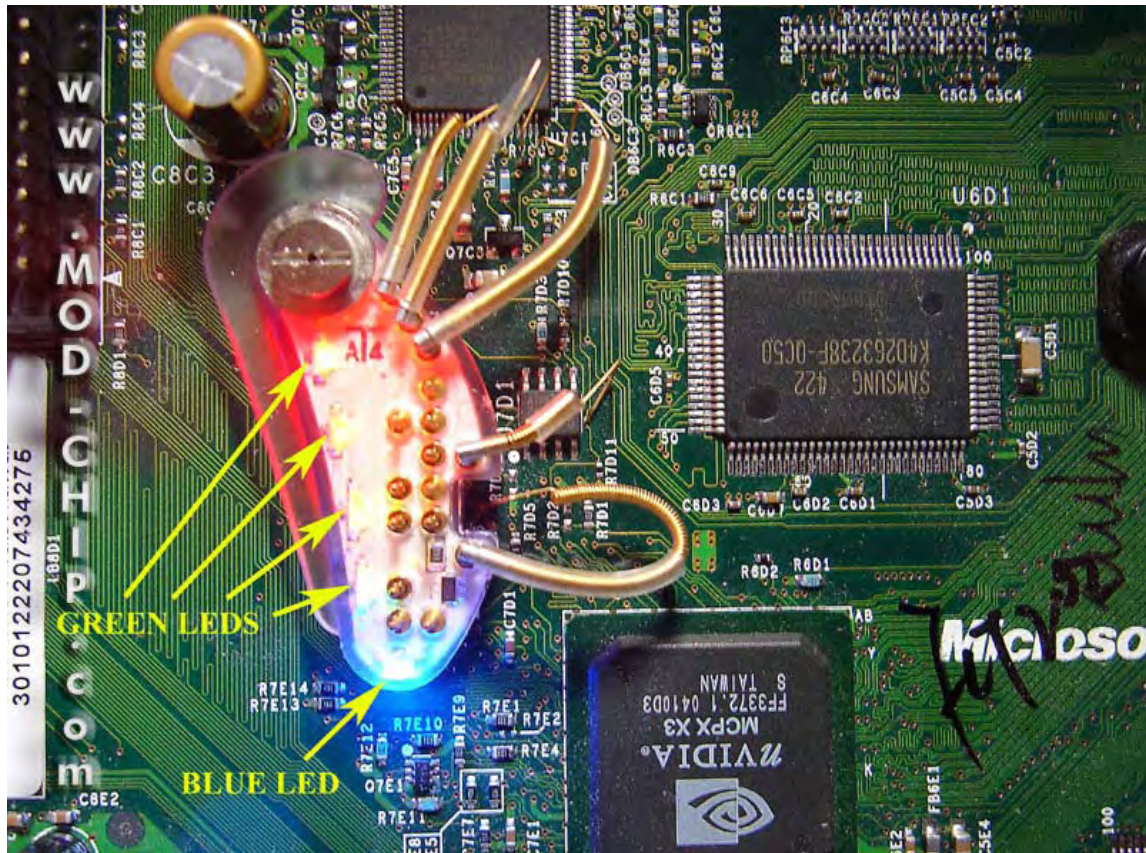


FIGURE #9

Now install the mod-chip as shown below in figure #10. Pay attention to the chips orientation.

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

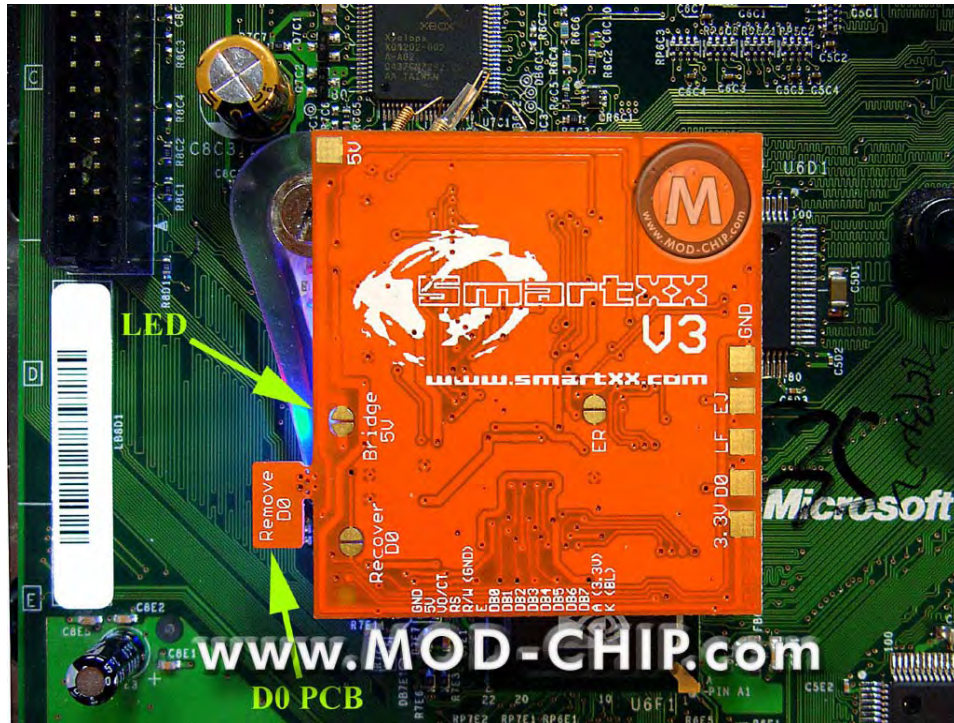


FIGURE #10

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 #11, if not, see the troubleshooting section of this manual. Now go to the installing extras section of this manual.



FIGURE #11

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 #29

Pull the harness through the USB mounting holes as shown below in figure #30.

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FIGURE #30

Use black electrical or clear tape (hot glue might work) to secure the LED to the outer case as shown bellow in figure #31. **NOTE: a reminder that this LED is basically useless until an IR receiver is available and you might want to skip this installation.**

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FIGURE #31

Connect the other end of the IR harness to the mod-chip as shown below in figure #32.

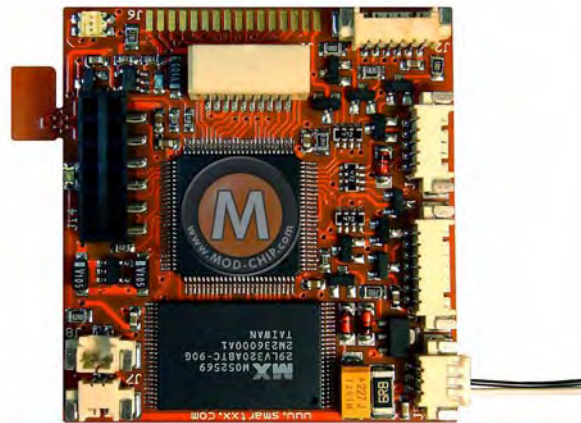


FIGURE #32

Your final install should look something like figure #33 below.

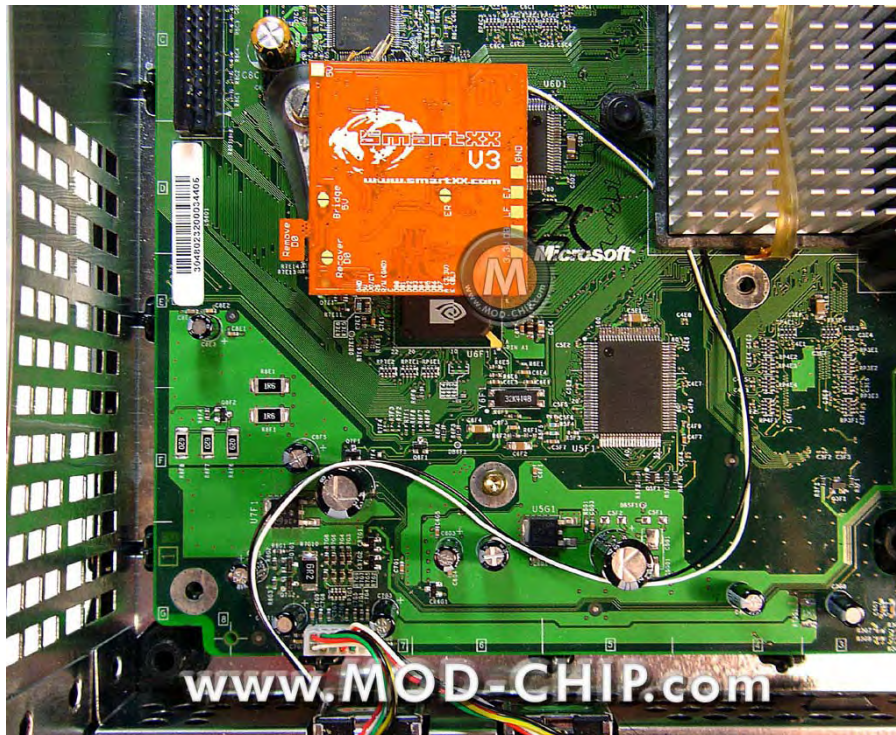


FIGURE #33

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 #34.



FIGURE #34

Next connect the red and black DVD harness and the Xecuter XLCD harness to the mod-chip as shown below in figure #35.

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FIGURE #35

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 #36

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. Solder a piece of wire

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FIGURE #37

FLASHING YOUR MOD-CHIP

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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.

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/LFRAME 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:

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**THIS IS JUST A
SNAPSHOT OF THIS
MANUAL, A FULL
VERSION OF THIS
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