

Jumbo Remote Upgrade Installation Instructions

Before you attempt to disassemble your Jumbo remote Control, please be aware that the upgrade is specific to the Innovage Jumbo Remote, shown in Fig.5 below. If your board is different, there is no guarantee that the board and software will work.

You should have the proper tools in order to do the installation. These include:

1. Plastic Prytool for tablets or mobile phones sometimes referred to a spudger.



Fig.1 Plastic Prytool

This tool will allow you to open the remote without damaging the tabs and marking the shell.

2. Soldering equipment. A de-solder pump tool.



Fig.2 De-solder Pump Tool

This tool is necessary in order to remove the cable from the old circuit board. A good soldering iron and lead free solder is also necessary. (and most of all, very good eye sight)

3. A square file for filing the programming access hole.



Fig.3 Square File

Step 1. Opening the Remote Control

Remove batteries and the 6 screws shown in Fig.4 below.

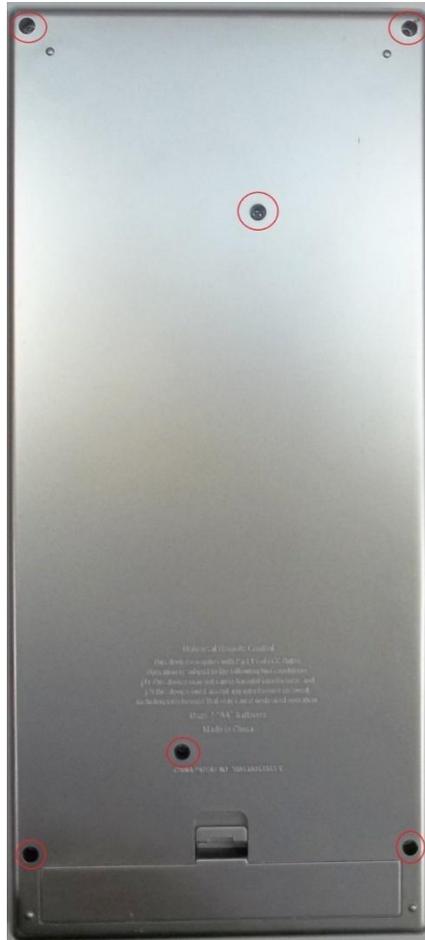


Fig.4 Removing Screws

Step 2. Remove the two screws.

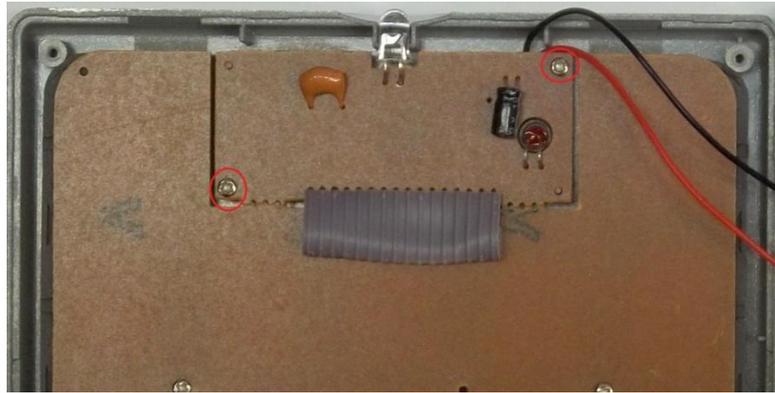


Fig. 5 Remove the Screws

Step 3. De-soldering the wires and the cable.

You will be removing the small board. In order to do this, you must carefully de-solder the black and red wires (ground and power) and the cable that connects to the keypad circuit board. To access the solder connections, flip the board over as in Fig.6 below.

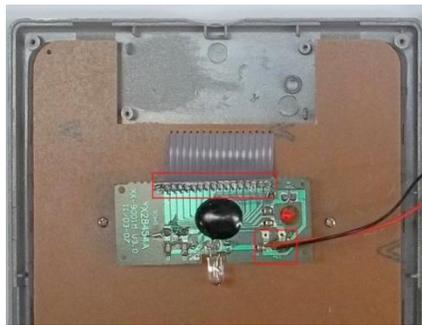


Fig.6 Removing the old board

Remove the Red and Black wires. Carefully de-solder the cable, DO NOT PULL ON THE CABLE until it is de-soldered completely. You will need to re-use the cable with the upgrade board.

Inspect the cable. Ensure that the wires are straight and not frayed. This is important as you will see it is challenging to re-install the cable on the new board. If necessary, tin each wire with solder. If there are strayed wires, they may short on the adjacent wire causing the keypad to malfunction.



Fig.7 Inspect the Cable

Step 4. Install the new board.

Do not connect the RED and Black wires at this time. Carefully solder the cable to the new board. Inspect every wire in the cable. You can use an ohmmeter here to check your soldering and for shorts.

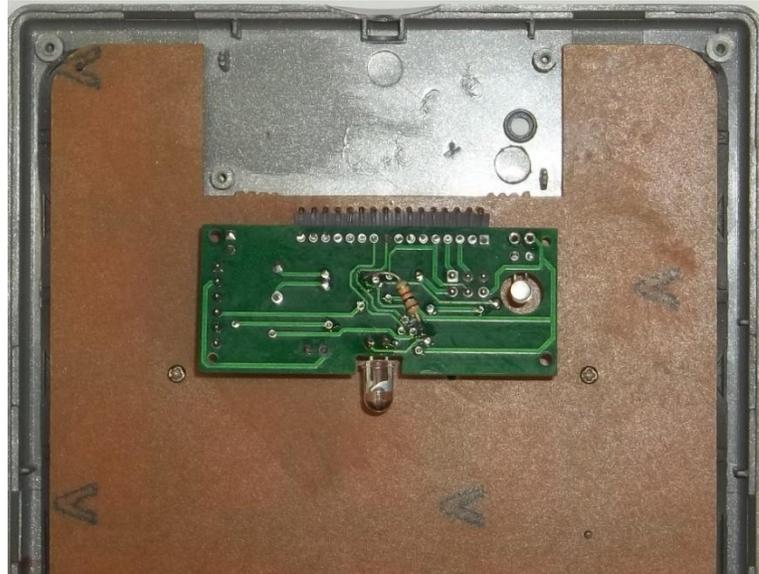


Fig.8 Install the New Board



Fig.9 Upgrade Board Installed Successfully

Step 5. Drilling the Programming Access Hole.

Carefully measure and mark the hole with a pencil. Drill the hole according to the specifications below.

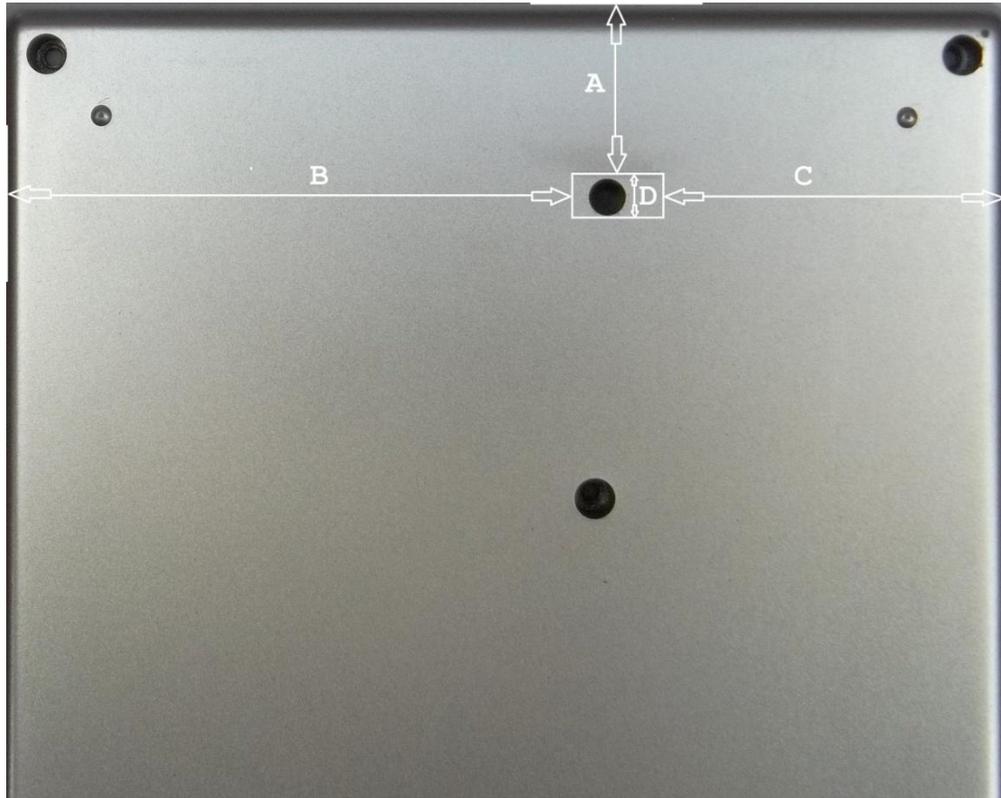


Fig.10 Drill the Programming Access Hole

A = 18 mm

B = 72.5 mm

C = 44 mm

D = 6 mm

Now use a square file to fine tune the access hole to the dimensions above.

You may need to make the hole bigger if you are using a larger programming connector like this one:



Fig.11 6 Pin Programming Connector

Now you can solder the red and black wires to the new board. The new board is marked "+" for the red wire and "-" for the black wire.

Re-assemble the remote, insert the batteries and test it. The remote should work as the board comes with test code programmed. Please do not program the fuses, they are already programmed and never need to be changed.

It is a good idea to cover the hole with electrical tape when you are finished programming to prevent debris from entering the remote enclosure.

Please read the [JumboUpgradeUserGuide.pdf](#) before attempting to program the remote.

Any questions?

Please email:

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Always happy to offer support.