

How to assemble KKSB N2+ Case & How to connect a push-button for the N2+ board







1. Put the fan on the heatsink and align it with the 4 threaded holes on the heatsink



2. Put the washers on top of the fan





3. Insert the long screws in the bottom part & screw them all together.

https://kksb-cases.com/





4. Put carefully the case body like below and mount the eMMC module & fan. The fan will start automatically only if the temperature gets high.







5. Connect the push button to pin 11 and pin 9. It does not matter which of the pushbutton contacts goes to which of the pins







6. Assemble the lid



- 7. Software settings (The example is for Linux). All steps below are to simply edit the boot.ini file. There are many ways to do this.
- A) Connect the power, keyboard, mouse, ethernet and connect to a screen
- B) Menu->System Tools->MATE Terminal





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odi	odroid@odroid:~ File Edit View Search Terminal Help odroid@odroid:~\$ sudo nano /media/boot/boot.ini

D) Type your password. Default password: odroid

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E) Add the 3 lines as below:





It should now look like this:

```
#
               PLEASE USE CONFIG.INI INSTEAD, THIS HAS CHANGED !!
                                                                                                                                    #
 setenv board "odroidn2"
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setenv display_autodetect "true"
setenv hdmimode "1080p60hz"
setenv monitor_onoff "false"
setenv overscan "100"
setenv sdrmode "auto"
setenv voutmode "hdmi"
setenv disablehpd "false"
setenv disable wu7 "true"
 setenv cec "true"
setenv disable_vu7 "true"
setenv enable_wol "0"
 if test "${varlant}" = "n2_plus"; then
setenv max_freq_a73 "2208"
setenv max_freq_a53 "1908"
 else
                setenv max_freq_a73 "1800"
setenv max_freq_a53 "1896"
  fi
  setenv maxcpus "6"
  # Set load addresses
setenv dtb_loadaddr "0x10000000"
setenv dtbo_addr_r "0x11000000"
setenv k_addr "0x1100000"
setenv loadaddr "0x1B00000"
setenv initrd_loadaddr "0x3700000"
   load mmc ${devno}:1 ${loadaddr} config.ini \
    && ini generic ${loadaddr}
if test "x${overlay_profile}" != "x"; then
    ini overlay_${overlay_profile} ${loadaddr}
fi
   # Default Console Device Setting
setenv condev "console=ttyS0,115200n8" # on both
   ### Normal HDMI Monitors
if test "${display_autodetect}" = "true"; then hdmitx edid; fi
if test "${hdmimode}" = "custombuilt"; then setenv cmode "modeline=${modeline}"; fi
if test "${cec}" = "true"; then setenv cec_enable "hdmitx=cec3f"; fi
if test "${disable_vu7}" = "false"; then setenv hid_quirks "usbhid.quirks=0x0eef:0x0005:0x0004"; fi
    # Boot Args
setenv bootargs "root=UUID=e139ce78-9841-40fe-8823-96a304a09859 rootwait rw ${condev} ${amlogic} no_console_suspend f
     setenv gplopower "479"
setenv bootargs ${bootargs} gplopower=${gplopower}
     # Load kernel, dtb and initrd
load mmc ${devno}:1 ${k_addr} Image.gz
load mmc ${devno}:1 ${initrd_loadaddr} uInitrd
load mmc ${devno}:1 ${initrd_loadaddr} amlogic/meson64_odroid${variant}.dtb
      fdt addr ${dtb_loadaddr}
     done
      # unzip the kernel
unzip ${k_addr} ${loadaddr}
```



- F) Press Ctrl+x when the system asks you if you want to save choose Y (yes).
- G) Now you can shut down the device and you can next time use the start button to start. Hold the start button for around 2 seconds until the device starts up.