

# KM4ACK's build-a-pi Script

**Easily install ham tools using KM4ACK's installation script**

- Clone from git
  - `git clone https://github.com/km4ack/pi-build.git`
- Launch the installer
  - `./pi-build/build-a-pi`
- Select packages
- You may need your callsign and some credentials depending on what you choose
- Come back tomorrow

# Orange Pi 5b Notes

## Notes specific to this board

- Armbian for non-raspberry pi board doesn't include pi libraries
  - `sudo apt-get install libraspberrypi0`
  - `sudo ln -fs /usr/lib/aarch64-linux-gnu/libbcm_host.so /usr/lib/libbcm_host.so.0`
  - `sudo ln -fs /usr/lib/aarch64-linux-gnu/libvcos.so /usr/lib/libvcos.so.0`
  - `sudo ln -fs /usr/lib/aarch64-linux-gnu/libvchiq_arm.so /usr/lib/libvchiq_arm.so.0`
  - `sudo ldconfig`
- The release armbian image is **not** configured for the 5b board (no emmc)
  - Open `armbianenv.txt` and change `fdtfile=rockchip/rk3588s-orangepi-5.dtb` to `fdtfile=rockchip/rk3588s-orangepi-5b.dtb`
- Install to emmc with the `armbian-install` command
- Includes WiFi on the board. Worked without any issues.
- The date may be very wrong. This will cause endless problems and prevent apt from working