

10/03/2023

## CUBOTino micro: Printouts during the Raspberry Pi installation

### Notes:

- on a Raspberry Pi ZeroW, with user set as "pi", not preferable
- highlighted in yellow the necessary inputs

login as: pi

pi@192.168.2.58's password:

Linux cubotino 5.10.103+ #1529 Tue Mar 8 12:19:18 GMT 2022 armv6l

The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.

Last login: Tue Feb 21 04:30:25 2023

SSH is enabled and the default password for the 'pi' user has not been changed.  
This is a security risk - please login as the 'pi' user and type 'passwd' to set  
a new password.

```
pi@cubotino:~$ git clone https://github.com/AndreaFavero71/cubotino_micro.git
```

```
Cloning into 'cubotino_micro'...
```

```
remote: Enumerating objects: 199, done.
```

```
remote: Counting objects: 100% (158/158), done.
```

```
remote: Compressing objects: 100% (131/131), done.
```

```
remote: Total 199 (delta 56), reused 73 (delta 15), pack-reused 41
```

```
Receiving objects: 100% (199/199), 116.60 MiB | 980.00 KiB/s, done.
```

```
Resolving deltas: 100% (59/59), done.
```

```
Checking out files: 100% (67/67), done.
```

```
pi@cubotino:~$ cd cubotino_micro/src
```

```
pi@cubotino:~/cubotino_micro/src$ sudo ./install/setup.sh
```

Deactivating graphical login

configuring config file

Updating packages

```
Get:1 http://archive.raspberrypi.org/debian buster InRelease [32.6 kB]
```

```
Get:2 http://raspbian.raspberrypi.org/raspbian buster InRelease [15.0 kB]
```

```
Get:3 http://archive.raspberrypi.org/debian buster/main armhf Packages [392 kB]
```

```
Get:4 http://raspbian.raspberrypi.org/raspbian buster/main armhf Packages [13.0 MB]
```

Fetches 13.5 MB in 29s (461 kB/s)  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
13 packages can be upgraded. Run 'apt list --upgradable' to see them.  
The following packages will be upgraded:  
 curl git git-man libcurl3-gnutls libcurl4 libmariadb3 libtiff5 mariadb-common python-cryptography python-werkzeug python3-cryptography python3-werkzeug wireless-regdb  
13 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
Need to get 7,875 kB of archives.  
After this operation, 14.3 kB of additional disk space will be used.  
apt-listchanges: Reading changelogs...  
(Reading database ... 98848 files and directories currently installed.)  
Preparing to unpack .../00-curl\_7.64.0-4+deb10u5\_armhf.deb ...  
Unpacking curl (7.64.0-4+deb10u5) over (7.64.0-4+deb10u4) ...  
Preparing to unpack .../01-libcurl4\_7.64.0-4+deb10u5\_armhf.deb ...  
Unpacking libcurl4:armhf (7.64.0-4+deb10u5) over (7.64.0-4+deb10u4) ...  
Preparing to unpack .../02-git-man\_1%3a2.20.1-2+deb10u8\_all.deb ...  
Unpacking git-man (1:2.20.1-2+deb10u8) over (1:2.20.1-2+deb10u7) ...  
Preparing to unpack .../03-libcurl3-gnutls\_7.64.0-4+deb10u5\_armhf.deb ...  
Unpacking libcurl3-gnutls:armhf (7.64.0-4+deb10u5) over (7.64.0-4+deb10u4) ...  
Preparing to unpack .../04-git\_1%3a2.20.1-2+deb10u8\_armhf.deb ...  
Unpacking git (1:2.20.1-2+deb10u8) over (1:2.20.1-2+deb10u7) ...  
Preparing to unpack .../05-mariadb-common\_1%3a10.3.38-0+deb10u1\_all.deb ...  
Unpacking mariadb-common (1:10.3.38-0+deb10u1) over (1:10.3.36-0+deb10u2) ...  
Preparing to unpack .../06-libmariadb3\_1%3a10.3.38-0+deb10u1\_armhf.deb ...  
Unpacking libmariadb3:armhf (1:10.3.38-0+deb10u1) over (1:10.3.36-0+deb10u2) ...  
Preparing to unpack .../07-libtiff5\_4.1.0+git191117-2~deb10u7\_armhf.deb ...  
Unpacking libtiff5:armhf (4.1.0+git191117-2~deb10u7) over (4.1.0+git191117-2~deb10u6) ...  
Preparing to unpack .../08-python-cryptography\_2.6.1-3+deb10u4\_armhf.deb ...  
Unpacking python-cryptography (2.6.1-3+deb10u4) over (2.6.1-3+deb10u2) ...  
Preparing to unpack .../09-python-werkzeug\_0.14.1+dfsg1-4+deb10u2\_all.deb ...  
Unpacking python-werkzeug (0.14.1+dfsg1-4+deb10u2) over (0.14.1+dfsg1-4+deb10u1) ...  
Preparing to unpack .../10-python3-cryptography\_2.6.1-3+deb10u4\_armhf.deb ...  
Unpacking python3-cryptography (2.6.1-3+deb10u4) over (2.6.1-3+deb10u2) ...  
Preparing to unpack .../11-python3-werkzeug\_0.14.1+dfsg1-4+deb10u2\_all.deb ...  
Unpacking python3-werkzeug (0.14.1+dfsg1-4+deb10u2) over (0.14.1+dfsg1-4+deb10u1) ...  
Preparing to unpack .../12-wireless-regdb\_2022.04.08-2~deb10u1\_all.deb ...  
Unpacking wireless-regdb (2022.04.08-2~deb10u1) over (2018.05.09-0~rpt1) ...  
Setting up python-werkzeug (0.14.1+dfsg1-4+deb10u2) ...  
Setting up wireless-regdb (2022.04.08-2~deb10u1) ...  
update-alternatives: using /lib/firmware/regulatory.db-debian to provide /lib/firmware/regulatory.db (regulatory.db) in auto mode  
Setting up python-cryptography (2.6.1-3+deb10u4) ...  
Setting up libcurl3-gnutls:armhf (7.64.0-4+deb10u5) ...  
Setting up mariadb-common (1:10.3.38-0+deb10u1) ...  
Setting up python3-werkzeug (0.14.1+dfsg1-4+deb10u2) ...  
Setting up python3-cryptography (2.6.1-3+deb10u4) ...  
Setting up libmariadb3:armhf (1:10.3.38-0+deb10u1) ...  
Setting up libcurl4:armhf (7.64.0-4+deb10u5) ...  
Setting up git-man (1:2.20.1-2+deb10u8) ...

Setting up libtiff5:armhf (4.1.0+git191117-2~deb10u7) ...  
Setting up curl (7.64.0-4+deb10u5) ...  
Setting up git (1:2.20.1-2+deb10u8) ...  
Processing triggers for man-db (2.8.5-2) ...  
Processing triggers for libc-bin (2.28-10+rpt2+rpi1+deb10u1) ...

Removing old packages

The following packages were automatically installed and are no longer required:

librtimulib-dev librtimulib-utils librtimulib7 python-olefile python-pil python-rtimulib python-sense-hat  
python3-rtimulib

Use 'sudo apt autoremove' to remove them.

The following packages will be REMOVED:

python3-microdotphat python3-numpy python3-pgzero python3-picamera python3-pygame python3-  
scrollphatd python3-sense-hat python3-unicornhatd sense-hat

0 upgraded, 0 newly installed, 9 to remove and 0 not upgraded.

After this operation, 13.9 MB disk space will be freed.

(Reading database ... 98850 files and directories currently installed.)

Removing python3-microdotphat (0.2.1) ...

Removing python3-unicornhatd (0.0.4) ...

Removing python3-pgzero (1.2.post4+dfsg-2+~rpt1) ...

Removing python3-pygame (1.9.4.post1+dfsg-3) ...

Removing sense-hat (1.2) ...

Removing python3-sense-hat (2.4.0-1~bpo10+1) ...

Removing python3-picamera (1.13) ...

Removing python3-scrollphatd (1.2.1) ...

Removing python3-numpy (1:1.16.2-1) ...

Processing triggers for man-db (2.8.5-2) ...

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following packages will be REMOVED:

librtimulib-dev librtimulib-utils librtimulib7 python-olefile python-pil python-rtimulib python-sense-hat  
python3-rtimulib

0 upgraded, 0 newly installed, 8 to remove and 0 not upgraded.

After this operation, 2,344 kB disk space will be freed.

(Reading database ... 98171 files and directories currently installed.)

Removing librtimulib-dev (7.2.1-5) ...

Removing librtimulib-utils (7.2.1-5) ...

Removing python3-rtimulib (7.2.1-5) ...

Removing python-sense-hat (2.2.0-1) ...

Removing python-rtimulib (7.2.1-5) ...

Removing librtimulib7 (7.2.1-5) ...

Removing python-olefile (0.46-1) ...

Removing python-pil:armhf (5.4.1-2+deb10u3) ...

Processing triggers for libc-bin (2.28-10+rpt2+rpi1+deb10u1) ...

Installing required packages

python3-pil is already the newest version (5.4.1-2+deb10u3).

python3-pil set to manually installed.

python3-venv is already the newest version (3.7.3-1).

python3-venv set to manually installed.

python3-gpiozero is already the newest version (1.6.2-1).

python3-pigpio is already the newest version (1.79-1+rpt1).

python3-pip is already the newest version (18.1-5+rpt1).

python3-rpi.gpio is already the newest version (0.7.0-0.1~bpo10+4).

0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

The following additional packages will be installed:

freeglut3 libaec0 libatlas3-base libaudio2 libglu1-mesa libhdf5-103 libjasper1 libjpeg8 libmng1 libqt4-dbus  
libqt4-xml libqtcore4 libqtdbus4 libsz2 python3-numpy qdbus qt-at-spi  
qtchooser qtcore4-l10n

Suggested packages:

libatlas-doc liblapack-doc nas libicu57 qt4-qtconfig python-h5py-doc gfortran python-numpy-doc python3-  
pytest python3-numpy-dbg

The following NEW packages will be installed:

freeglut3 libaec0 libatlas-base-dev libatlas3-base libaudio2 libglu1-mesa libhdf5-103 libjasper-runtime  
libjasper1 libjpeg8 libmng1 libqt4-dbus libqt4-test libqt4-xml libqtcore4  
libqtdbus4 libqtgui4 libsz2 python3-h5py python3-numpy qdbus qt-at-spi qtchooser qtcore4-l10n

0 upgraded, 24 newly installed, 0 to remove and 0 not upgraded.

Need to get 16.1 MB of archives.

After this operation, 76.7 MB of additional disk space will be used.

Selecting previously unselected package libjasper1:armhf.

(Reading database ... 97969 files and directories currently installed.)

Preparing to unpack .../00-libjasper1\_1.900.1-debian1-2.4+deb8u1\_armhf.deb ...

Unpacking libjasper1:armhf (1.900.1-debian1-2.4+deb8u1) ...

Selecting previously unselected package libjpeg8:armhf.

Preparing to unpack .../01-libjpeg8\_8d1-2\_armhf.deb ...

Unpacking libjpeg8:armhf (8d1-2) ...

Selecting previously unselected package libmng1:armhf.

Preparing to unpack .../02-libmng1\_1.0.10+dfsg-3.1\_armhf.deb ...

Unpacking libmng1:armhf (1.0.10+dfsg-3.1) ...

Selecting previously unselected package freeglut3:armhf.

Preparing to unpack .../03-freeglut3\_2.8.1-3\_armhf.deb ...

Unpacking freeglut3:armhf (2.8.1-3) ...

Selecting previously unselected package libaec0:armhf.

Preparing to unpack .../04-libaec0\_1.0.2-1\_armhf.deb ...

Unpacking libaec0:armhf (1.0.2-1) ...

Selecting previously unselected package libatlas3-base:armhf.

Preparing to unpack .../05-libatlas3-base\_3.10.3-8+rpi1\_armhf.deb ...

Unpacking libatlas3-base:armhf (3.10.3-8+rpi1) ...

Selecting previously unselected package libatlas-base-dev:armhf.

Preparing to unpack .../06-libatlas-base-dev\_3.10.3-8+rpi1\_armhf.deb ...

Unpacking libatlas-base-dev:armhf (3.10.3-8+rpi1) ...

Selecting previously unselected package libaudio2:armhf.

Preparing to unpack .../07-libaudio2\_1.9.4-6\_armhf.deb ...

Unpacking libaudio2:armhf (1.9.4-6) ...

Selecting previously unselected package libglu1-mesa:armhf.

Preparing to unpack .../08-libglu1-mesa\_9.0.0-2.1\_armhf.deb ...

Unpacking libglu1-mesa:armhf (9.0.0-2.1) ...

Selecting previously unselected package libsz2:armhf.

Preparing to unpack .../09-libsz2\_1.0.2-1\_armhf.deb ...

Unpacking libsz2:armhf (1.0.2-1) ...  
Selecting previously unselected package libhdf5-103:armhf.  
Preparing to unpack .../10-libhdf5-103\_1.10.4+repack-10\_armhf.deb ...  
Unpacking libhdf5-103:armhf (1.10.4+repack-10) ...  
Selecting previously unselected package libjasper-runtime.  
Preparing to unpack .../11-libjasper-runtime\_1.900.1-debian1-2.4+deb8u1\_armhf.deb ...  
Unpacking libjasper-runtime (1.900.1-debian1-2.4+deb8u1) ...  
Selecting previously unselected package qtcore4-l10n.  
Preparing to unpack .../12-qtcore4-l10n\_4%3a4.8.7+dfsg-18+rpi1+deb10u1\_all.deb ...  
Unpacking qtcore4-l10n (4:4.8.7+dfsg-18+rpi1+deb10u1) ...  
Selecting previously unselected package libqtcore4:armhf.  
Preparing to unpack .../13-libqtcore4\_4%3a4.8.7+dfsg-18+rpi1+deb10u1\_armhf.deb ...  
Unpacking libqtcore4:armhf (4:4.8.7+dfsg-18+rpi1+deb10u1) ...  
Selecting previously unselected package libqt4-xml:armhf.  
Preparing to unpack .../14-libqt4-xml\_4%3a4.8.7+dfsg-18+rpi1+deb10u1\_armhf.deb ...  
Unpacking libqt4-xml:armhf (4:4.8.7+dfsg-18+rpi1+deb10u1) ...  
Selecting previously unselected package libqtdbus4:armhf.  
Preparing to unpack .../15-libqtdbus4\_4%3a4.8.7+dfsg-18+rpi1+deb10u1\_armhf.deb ...  
Unpacking libqtdbus4:armhf (4:4.8.7+dfsg-18+rpi1+deb10u1) ...  
Selecting previously unselected package qtchooser.  
Preparing to unpack .../16-qtchooser\_66-2\_armhf.deb ...  
Unpacking qtchooser (66-2) ...  
Selecting previously unselected package qdbus.  
Preparing to unpack .../17-qdbus\_4%3a4.8.7+dfsg-18+rpi1+deb10u1\_armhf.deb ...  
Unpacking qdbus (4:4.8.7+dfsg-18+rpi1+deb10u1) ...  
Selecting previously unselected package libqt4-dbus:armhf.  
Preparing to unpack .../18-libqt4-dbus\_4%3a4.8.7+dfsg-18+rpi1+deb10u1\_armhf.deb ...  
Unpacking libqt4-dbus:armhf (4:4.8.7+dfsg-18+rpi1+deb10u1) ...  
Selecting previously unselected package libqt4-test:armhf.  
Preparing to unpack .../19-libqt4-test\_4%3a4.8.7+dfsg-18+rpi1+deb10u1\_armhf.deb ...  
Unpacking libqt4-test:armhf (4:4.8.7+dfsg-18+rpi1+deb10u1) ...  
Selecting previously unselected package libqtgui4:armhf.  
Preparing to unpack .../20-libqtgui4\_4%3a4.8.7+dfsg-18+rpi1+deb10u1\_armhf.deb ...  
Unpacking libqtgui4:armhf (4:4.8.7+dfsg-18+rpi1+deb10u1) ...  
Selecting previously unselected package python3-numpy.  
Preparing to unpack .../21-python3-numpy\_1%3a1.16.2-1\_armhf.deb ...  
Unpacking python3-numpy (1:1.16.2-1) ...  
Selecting previously unselected package python3-h5py.  
Preparing to unpack .../22-python3-h5py\_2.8.0-3\_armhf.deb ...  
Unpacking python3-h5py (2.8.0-3) ...  
Selecting previously unselected package qt-at-spi:armhf.  
Preparing to unpack .../23-qt-at-spi\_0.4.0-9\_armhf.deb ...  
Unpacking qt-at-spi:armhf (0.4.0-9) ...  
Setting up libjpeg8:armhf (8d1-2) ...  
Setting up libmng1:armhf (1.0.10+dfsg-3.1) ...  
Setting up libatlas3-base:armhf (3.10.3-8+rpi1) ...  
update-alternatives: using /usr/lib/arm-linux-gnueabi/hf/atlas/libblas.so.3 to provide /usr/lib/arm-linux-gnueabi/hf/libblas.so.3 (libblas.so.3-arm-linux-gnueabi/hf) in auto mode  
update-alternatives: using /usr/lib/arm-linux-gnueabi/hf/atlas/liblapack.so.3 to provide /usr/lib/arm-linux-gnueabi/hf/liblapack.so.3 (liblapack.so.3-arm-linux-gnueabi/hf) in auto mode  
Setting up freeglut3:armhf (2.8.1-3) ...



y