

If you want to add a webserver interface to your bebop running FW3.2.0 here's the install guide:

1) download the [lighttpd-reely340_v0.1.tgz tarball](#)

2) boot your bebop

3) copy that `tgz` file via FTP to your drone, into the directory `internal_000/`

4) press on/off four time (to enable telnet, last time you have to do this 😊)

5) telnet 192.168.42.1

6) installation road map:

- goto `internal_000` directory
- check for tar file
- extract tar file
- install Hook
- install lighttpd
- start lighttpd
- reboot

should look like this "transcript" (red: your input, black: bebop's response)

```
Trying 192.168.42.1...
```

```
Connected to 192.168.42.1.
```

```
Escape character is '^['.
```

```
BusyBox v1.20.2 (2016-04-07 10:54:49 CEST) built-in shell (ash)
```

```
Enter 'help' for a list of built-in commands.
```

```
/ # cd /data/ftp/internal_000
```

```
/data/ftp/internal_000 # ls -l lighttpd-reely340_v0.1.tgz
```

```
-rw----- 1 root root 534452 May 10
```

```
16:55 lighttpd-reely340_v0.1.tgz
```

```
/data/ftp/internal_000 # tar xzvf lighttpd-reely340_v0.1.tgz
```

```
.  
.   
.   
.   
.
```

```
/data/ftp/internal_000 # cd reely340/
/data/ftp/internal_000/reely340 # ./install_DragonStarter_hook.sh
kill dragon-prog
make / writable
insert hook into /usr/bin/DragonStarter.sh
make / read-only again
mount: mounting ubil:system on / failed: Device or
resource busy
/data/ftp/internal_000/reely340 # ./install_
lighttpd.sh
base path /data/ftp/internal_000/reely340 ok
create lighttpd base directory /data/ftp/interna-
l_000/reely340
create lighttpd environment
create symbolic links
create links, ignore 'already exists' errors
/data/ftp/internal_000/reely340 # ./start_
lighttpd.source
set lighttpd permissions
find: /data/ftp/internal_000/reely340/*.root: No
such file or directory
/data/ftp/internal_000/reely340/usr/sbin/lighttp-
d_root: /usr/lib/libcrypto.so.1.0.0: no version
information available (required by /data/ftp/in-
ternal_000/reely340/usr/sbin/lighttpd_root)
/data/ftp/internal_000/reely340/usr/sbin/lighttp-
d_root: /usr/lib/libssl.so.1.0.0: no version in-
formation available (required by /data/ftp/inter-
nal_000/reely340/usr/sbin/lighttpd_root)
/data/ftp/internal_000/reely340 #
/data/ftp/internal_000/reely340 # sync; reboot.sh
As you see some error messages are to be expected.
```

Now you know should have a running [lighttpd web server](#) on your bebop,
reachable with any browser at <http://192.168.42.1:38765/>
so you can use the option in the main menu to reboot your be-

bop!

Behind the scenes:

The 8GB media storage is mounted at /data/ftp/internal_000/ ,we do NOT want to waste any storage in other places.

In case of panic of misconduct of the software you can get rid of it all via on "verylongpress" of the onoff button, because this will WIPE anything in /data (stock bebop is very radical with regard to verlognpress of on- off button, that is a factory reset)

What will survive a factory reset ("very long press"):

- various symbolic links install in /usr/lib/ irrelevant, as stock bebop software doesn't use these libraries)

- the pached /usr/bin/dragonStarter.sh

the only relevant thing this install has changed is the line of
PROG_CMD=

but hte prepended source ... call will do nothing bad, as the sourced file will be gone, too.

So it should be very safe because it alters only on line of stock bebop code, everything else is untouched.

And this change will cease to have any effect once to factory resetted your drone.

(but before you do this, contact me there's a much simpler way of getting rid of the lighttp stuff).