

Release feature user manual - Video [M10]

Build Instructions :

To build, follow below instructions

```
$ mkdir <workspace dir>
```

```
$ cd <workspace dir>
```

```
$ repo init -u https://code.rdkcentral.com/r/manifests -m rdkv-raspberrypi.xml -b morty
```

```
$ repo sync -j4 --no-clone-bundle
```

```
$ source meta-cmf-raspberrypi/setup-environment (Select option raspberrypi-rdk-hybrid-westeros.conf)
```

```
$ bitbake rdk-generic-hybrid-westeros-wpe-image
```

Introduction :

The Raspberry Pi 3 Model B+ is the latest production Raspberry Pi 3 featuring a 64-bit quad core **processor** running at 1.4 Ghz. R-Pi3 B+ supports the dual band 2.4GHz and 5GHz and also well supports video playback with latest configuration. Raspberry Pi 3 Model B+ supported on linux-raspberrypi 4.9.80 and bootfiles, firmware also should point to latest versions.

Required Equipment :

The equipment listed below is required for complete functionality of the standalone environment. The only devices that are tested to work properly in this solution are the specific brands and models listed below. Support for other types of equipment is not available at this time.

1. Raspberry Pi 3 b or Raspberry Pi 3 b+ device
2. Standard USB keyboard
3. Television set/monitor with HDMI input.
4. Ethernet cables
5. USB-Ethernet Adapter
6. SD Card

Yocto Modification for RDK B+ Support :

1. Linux Raspberry pi kernel up gradation from sumo branch(4.14.68) to morty branch in meta-raspberrypi layer
2. Modified linux-firmware bbappend in meta-raspberrypi layer to bring up wireless interface
3. Modified bcm2835-bootfiles bbappend and rdk-rpi.inc (added dtb files) in meta-cmf-raspberrypi layer to boot up RPI B+ Board

Note : RPI B and B+ have same Build instructions and testing procedure.