





# How To Install Mali on Debian

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## 1. Introduction

[VK-RZ/G2LC](#) is industrial oriented board, compatible with Raspberry Pi 4 shields. It is based on [Renesas R9A07G044C22GBG](#), Dual ARM Cortex-A55 + Cortex-M33 MCU. The main purpose of this manual is to show how to install Mali GPU driver on Debian. For more info about this board, please read the full [manual](#).

## 2. Instalation

Renesas RZ/G2LC MCU is equipped with **Mali-G31** GPU on chip. The driver supplied from [Renesas](#) is only compatible with **Wayland** display server protocol. To take full advantage of the GPU driver, the OS should natively support Wayland protocol. One of the graphical environments, that has such support & this particular driver is tested on, is **Weston**. That is why, there is a **Weston** debian image with Mali GPU driver preinstalled, which can be downloaded from [here](#) & directly written to the uSD or VK-RZ/G2LC's mmc, following the [manual](#). In case you are already using **LXDE** debian image from [here](#), you can still install the driver and start using weston, following these steps:

- Install **Mali-G31** on the target board (VK-RZ/G2LC with LXDE Debian 12.x ).
  - On the target board, get the script for installation:  
`wget https://vekatech.com/os/debian/get_mali.sh.`
  - On the target board, make it executable:  
`chmod +x get_mali.sh.`
  - On the target board, Install **Mali-G31**:  
`./get_mali.sh.`



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## Revision overview list

Revision number	Description changes
0.1	Initial

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