

Developing

Where is the code

Currently, the PC has a debian installed. ROS is running inside docker images.

Using docker has obvious advantages

- Easily roll back to a known good state
- Run linux on latest hardware without driver issues (Old hardware + New Linux or New hardware + Old Linux tend to always have driver issue.)
- Mixing different ROS versions without any problem.

Currently, this device has 3 docker containers on it

- arm container
- RGBD camera
- chassis control node

The docker file and contents inside are just laying on the disk. It's up to you to decide to keep using docker or not. Just read the docker file, it is really easy to understand what's going on. If you somehow want to install a Ubuntu 20.04 (ROS2 is impossible because the Ark5 Arm does not support ROS2 yet) and run ROS bare metal, read the following instructions.

Getting HEXMOVE ROS SDK

Please visit <https://odocs.hexfellow.com/books/public-hexmove-docs/chapter/ros-sdk-user-guide> for instructions on how to download and use the HEXMOVE ROS SDK.

Work Gracefully with the robot

We have a small platform so you could place keyboard/laptop on it, and dev like a pro.



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