**Android robot instructions**

On the Arduino, in config.h line 5, ensure you have

#define SERIALX Serial2

Pair the phone and the HC-05 if not already paired

Download phone files from:

<https://drive.google.com/drive/folders/1l9Q3YRCNxh2HheDVlaV8MAEW-gxUZEM5?usp=sharing>

Have the wireless mouse dongle in

Open Pydroid3, open **main.py** and press the yellow button. (Note: NOT CBint.py)

Hide the screen navigation buttons. Then you should see “Let’s play chess” at the top of the screen.

This area will be used for messages. The phone is likely to be slow, so at each stage, wait for a new message.

Ensure that you can see the whole of the chessboard in the video view. Click on the “Calibrate chessboard” button. A static image will appear below, and a new message.

Using the mouse, click on the corners of the playing area **starting at the bottom left**. (Note: NOT top left)

You should then see the redlines image (which will be slightly wrong at the moment!!)

Ensure that you have power to the RAMPS.

Click on Start game, and wait … until it says Game Started.

Click on Start robot and wait.

That button text will change to say “Switch on steppers” Do that.

Button text will change to “Adjust ROBOT placement”. Adjust position of robot base if needed, then press button.

Make a move then press “I’ve moved”

Installatio:

Pydroid 3

Pydroid repository plugin

Pydroid Permissions Plugin