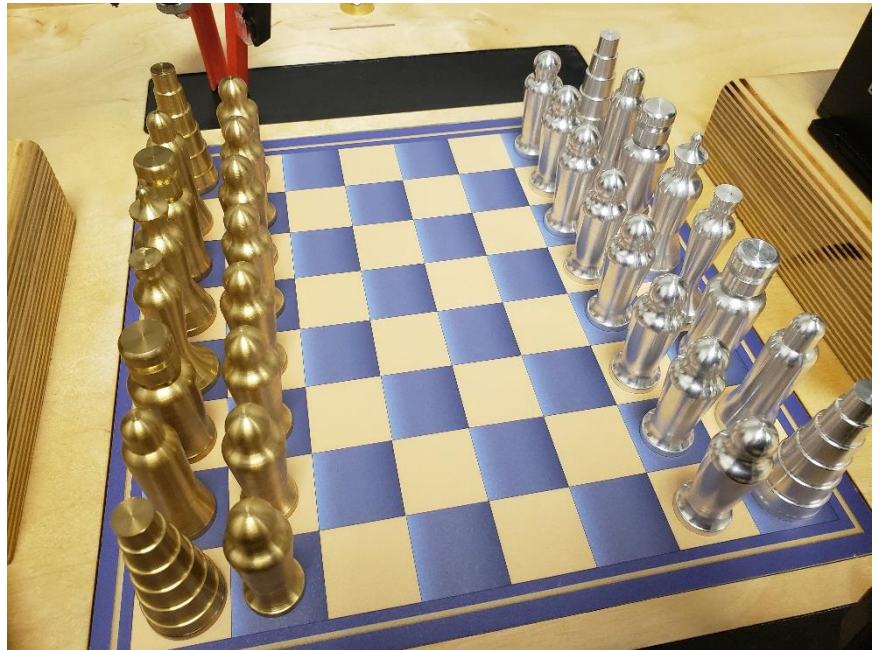


ChessBot

Startup Instructions

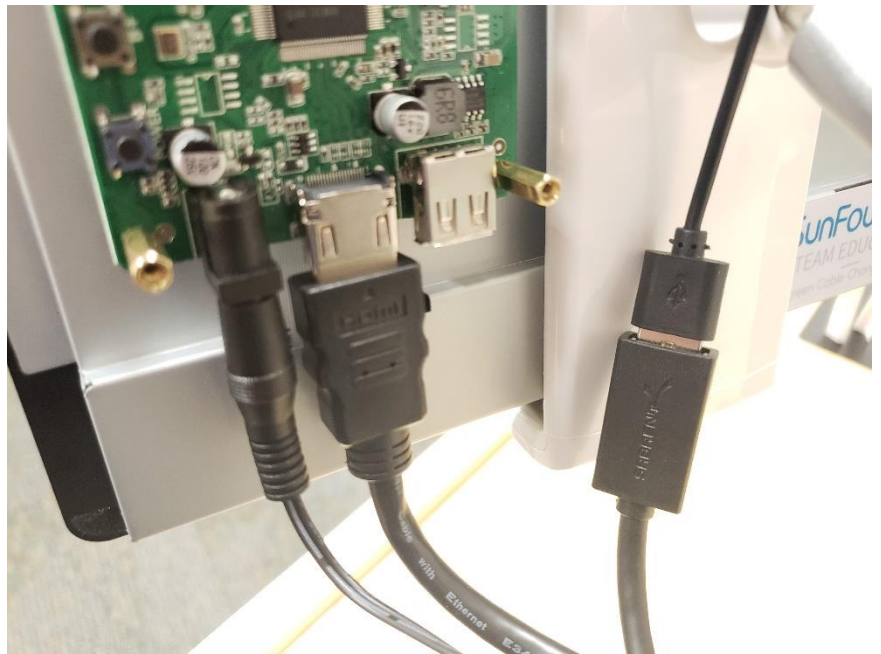
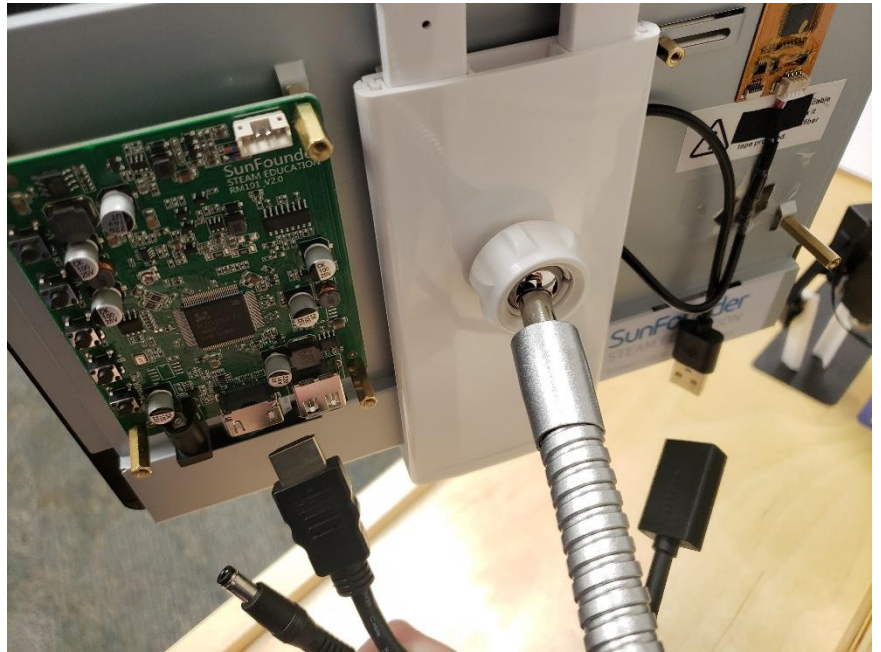
1. Remove the acrylic display and move the touchscreen aside. Assemble the chessboard with the pieces (stored in drawer). Silver pieces should go on the right (the side with the shutdown button).



2. Lift the top of the display holder and place the screen inside.



3. Connect the power, HDMI, and USB cords to the touchscreen.



4. Plug in the main power cord.

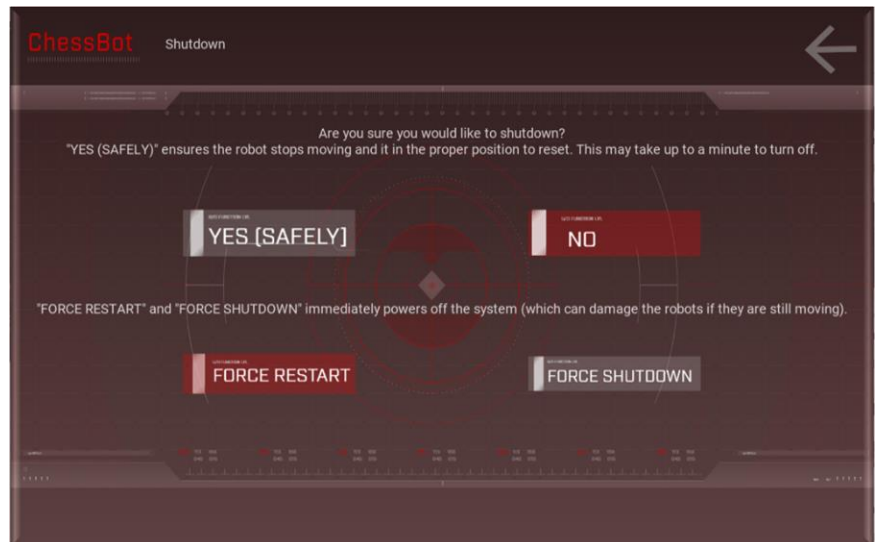


5. The GUI will appear on the touchscreen automatically. To begin a game, click “WATCH CHESS” and then “START A CHESS GAME”. Wait while the robots move into their initial position. You can then view chess facts or return back to have students examine diagrams and drawings.

After pressing “STOP GAME” in the “WATCH CHESS” menu, the Pi unit must be restarted in order to watch a *new* game. Alternatively, pressing “RESET BOARD PIECES” will stop the current game, remove all pieces, and then put them back into their initial positions (as set up in step 1). Please note that this may take up to 30 minutes to perform!



6. When the presentation is finished, return to the home screen and select “POWER DOWN?”. If the robots are currently moving, it is important that you select “YES (SAFELY)” because this will have the robots finish their moves and then lower closer to the table in preparation for power loss. “FORCE SHUTDOWN” or “FORCE RESTART” should only be used in case of an emergency. The power will immediately go off and the robot arms will drop down to the table. Use these options if the arms are behaving unexpectedly and continued movement may be disastrous (such as if the arms drop a piece early while moving it).



7. After ChessBot has been turned off from the menu, you may now remove the main power cord (step 4), disconnect the power, HDMI, and USB cords from the screen (step 3), lift the display holder and carefully remove the screen (step 2), and put away the chess pieces. ChessBot can now be stored for its next use.

If the main GUI doesn't appear on the touchscreen (step 5) or it crashes for any reason, double tap the “Run ChessBot” shortcut on the desktop screen.

