

# Bot Client

## BotClient

To run the BotClient on the server, just run `/mit/6.186/2005/botclient`. If this doesn't work, do `java -cp /mit/6.186/2005/maslab.jar maslab.telemetry.botclient.BotClient`.

In the "control panel" window, enter your robot's IP address. Channels published by the robot will appear in the control panel. Double-click a channel to display it.

## Channel Types

See `maslab.telemetry.channel` in the [MASLab API](#) for details.

### ImageChannel

As the mouse pointer hovers over a pixel, the RGB and HSV values are reported. Click to see where the color falls on an HSV colorwheel. You can save an image (the captured image is saved in the directory where BotClient was invoked; the filename is `captureNN.png`), as well as pause/resume a video feed.

### TextChannel

Yup, text.

### ScopeChannel

For plotting values graphically over time.

### VectorChannel

Channel for sending vector graphics to the BotClient. Useful for anotating an image or plotting sensor data in space

You can also have your robot listen for commands *from* the BotClient using the "command" field in the control panel.

If I add any new features to BotClient, I'll describe them here.

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