

Setting DYNAMIXEL IDs with the DynaManager

This guide will teach you how to ID servos using an ArbotiX Robocontroller and a computer.

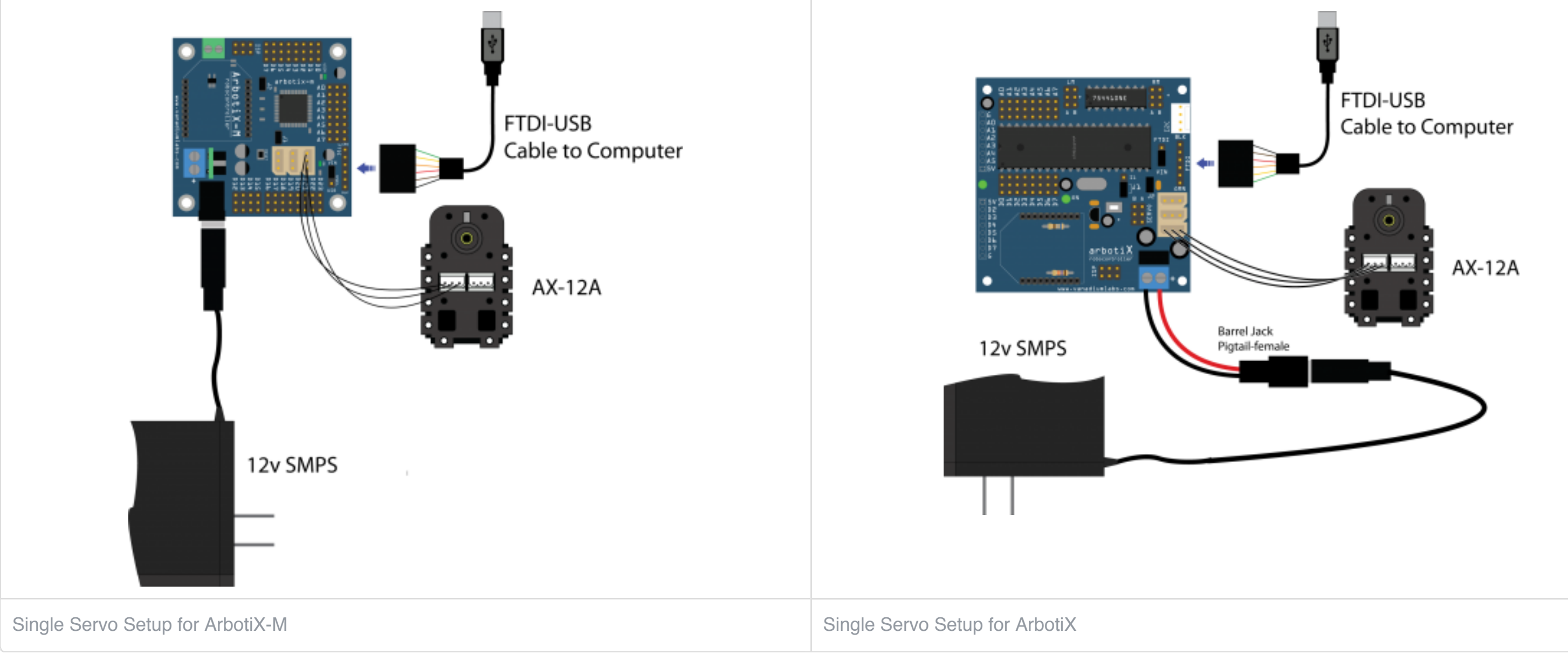
The DynaManager software requires Java to run. If you do not have Java installed on your system, it is available [here](#).

Once you have Java installed, you will need to download the [DynaManager Software](#) . The software is compatible with Windows XP, Vista and 7, Mac OS 10.5+, and Linux. Mac users please 'Note for Mac Users' [here](#) before following the rest of this guide.

For the DYNAManager to work, you will need the ROS.ino sketch loaded onto your ArbotiX. New ArbotiX boards come pre-loaded with the ROS sketch. If you have already loaded another pr onto your ArbotiX, you can find the ROS sketch here

File->Sketchbook->ArbotiX Sketches->ROS

or you can download it [here](#). If you need help programming your board, see the [ArbotiX Quick Start Guide](#). Once you have ROS loaded onto your ArbotiX, set up your hardware as shown.



The Rest of this tutorial will guide you through using the DynaManager software. Before you set your servo IDs, here are some things to keep in mind.

- You can only ID one servo at a time. Do not plug multiple servos into the ArbotiX when using the DYNAManager.
- Make sure you label your servos as you ID them! This will make the assmebly phase go much faster
- All servos come pre-set to ID # 1. However we still recomend that you use the DynaManager to set the ID on servo #1. This will make sure the servo's baud rate is set correctly, as well as you test the servo.
- Most kits use only AX-12A or AX-18A servos. For these kits, you can simply ID the servos in sequential, increasing order for however many servos you have. The exceptions are:
 - If you have a **PhantomX Reactor Robot Arm** *without* wrist-rotate then skip servo 7 (ID the first 6 servos normally, then set the last servo to ID #8)
 - If you have a **WidowX Robot Arm MK-II**, see [this diagram](#). (The MK-I diagram is availbe [here](#))

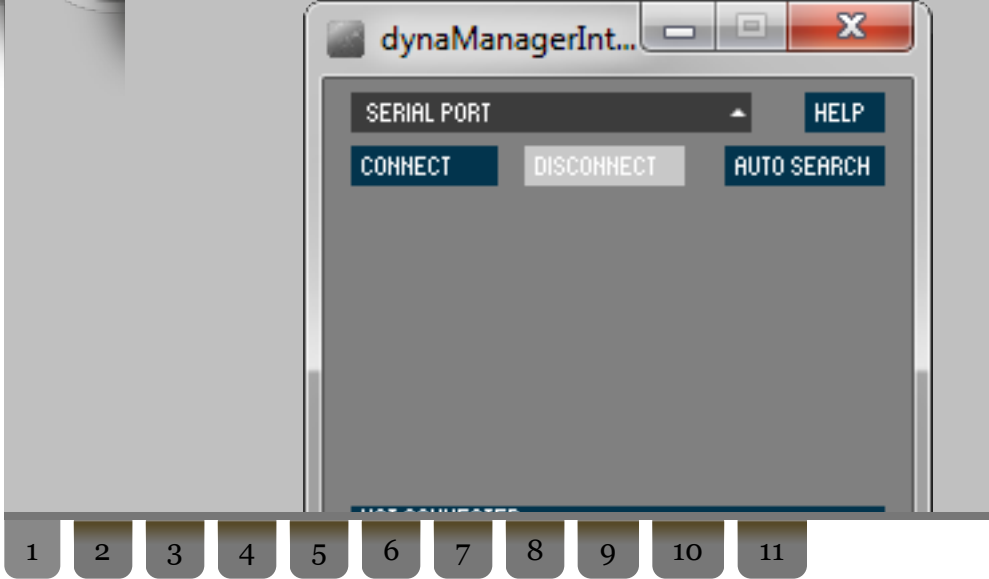
See [the bottom of this page](#) for a coprehensive list of servo positions.

Using the Dynamanager

Use the arrows or your arrow keys to proceed to the next step



Launch the Dynamanager application on your computer. You should see a screen as shown above. If you have problems launching the application, see possible solutions [here](#)



Servo Diagrams

- [PhantomX Pincher Robot Arm](#)
- [PhantomX Reactor Robot Arm](#)
- [WidowX Robot Arm Mark II](#)
- Older Arm - For Reference Only [WidowX Robot Arm Mark I](#)
- [PhantomX Hexapod](#)
- [PhantomX Quarduped](#)
- [PhantomX Robot Turret](#)
- [WidowX Robot Turret](#)
- [ScorpionX Robot Turret](#)

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