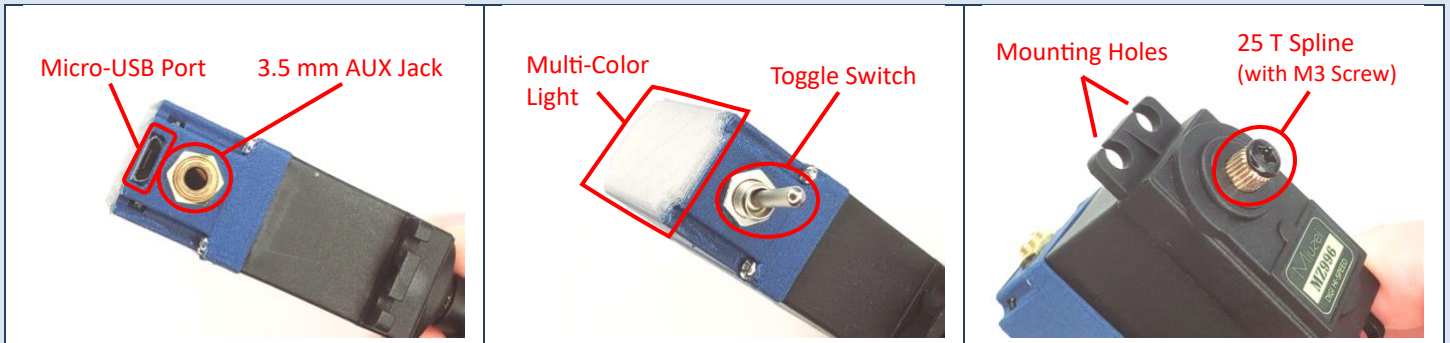


SMART SERVO GUIDES: GETTING STARTED

This guide will show you how to get started with using your Smart Servo.

PART 1: Main Parts of the Smart Servo



PART 2: Adding Power to the Smart Servo (3 Options)

First - Connect USB cable to Micro-USB port. You can use the Included cable.



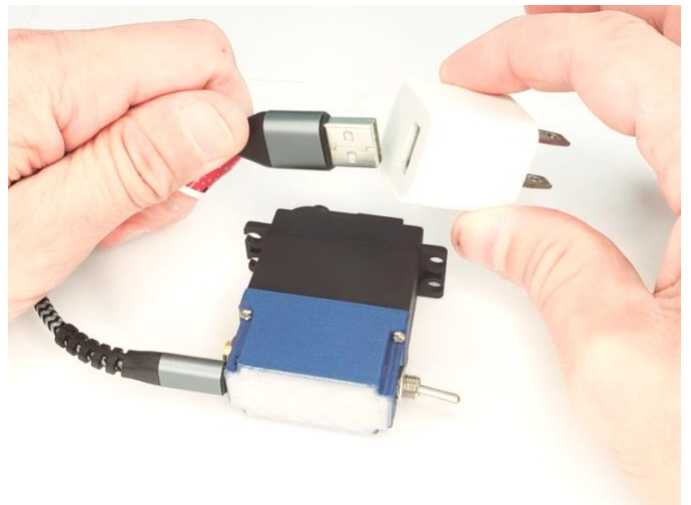
Option 1 - Connect other end of USB cable to rechargeable power bank, aka phone charger. (recommended for assistive technology projects)

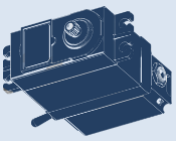


Option 2 - Connect other end to laptop USB port. (recommended for re-programming & testing)



Option 3 - Connect to standard USB wall charger. (recommended for projects near walls)





SMART SERVO GUIDES: GETTING STARTED

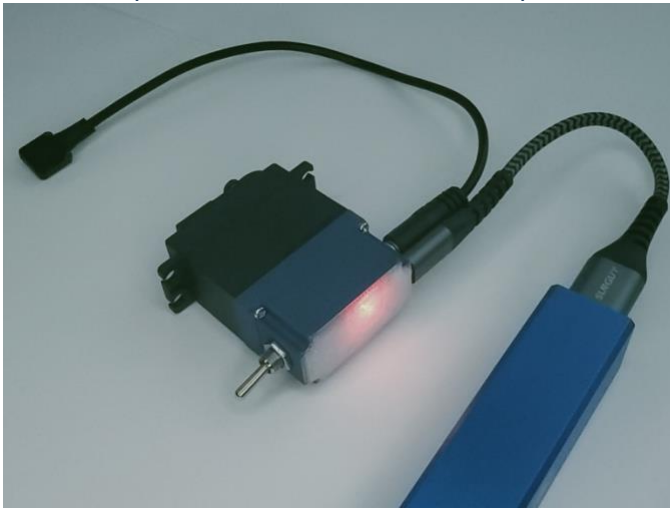
PART 3: Connecting Buttons to the Smart Servo (2 Common Types)

Buttons are connected using the 3.5mm AUX jack. This is a standard for all assistive technology buttons.

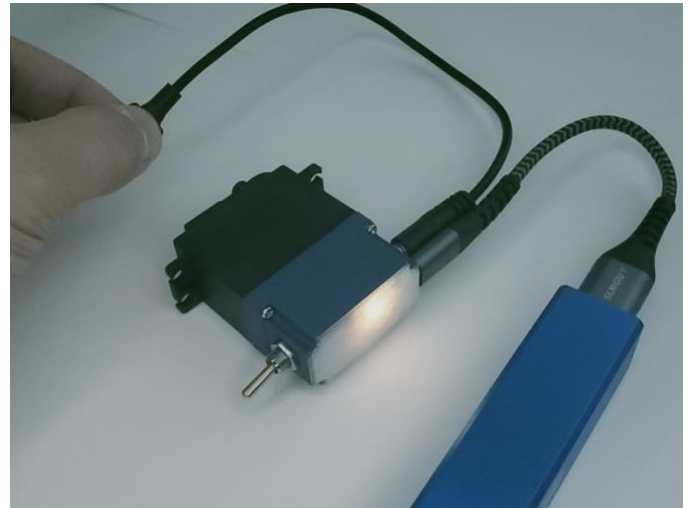


PART 4: Light Indicators on the Smart Servo (for base code – can be changed later)

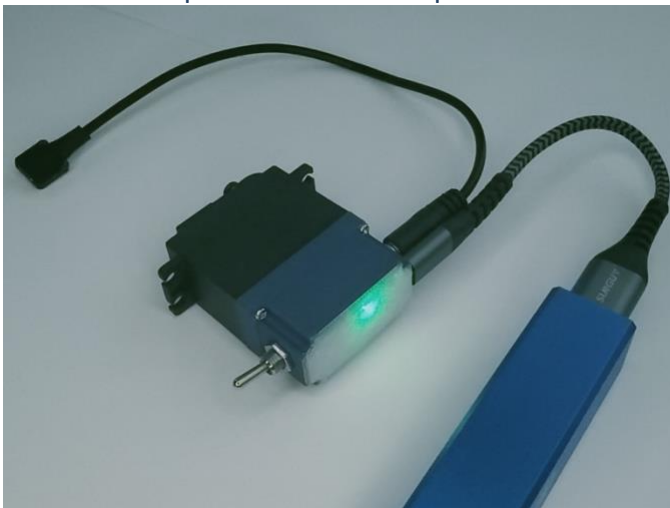
Red – When the light has a red pulse, the toggle switch has put the Smart Servo into Safe Mode. It will not operate even when a button is pushed.



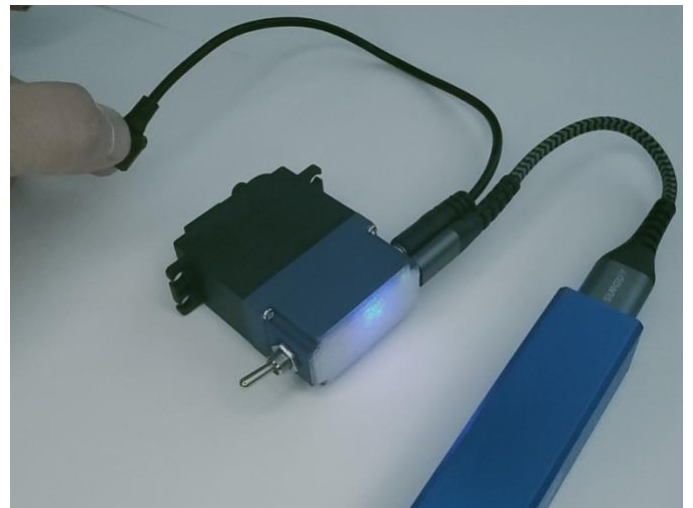
Yellow – A button can be tested when the Smart Servo is in Safe Mode by pressing and holding the button. Yellow indicates that the button works.

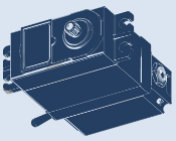


Green – Switching the toggle will arm the servo and the light will turn green. This means the Smart Servo will respond to a button input.



Blue – Pressing a button when the Smart Servo is armed will show a blue light.

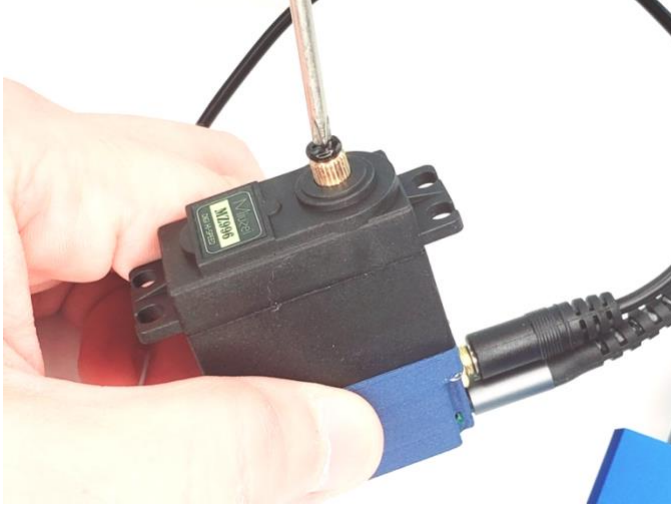




SMART SERVO GUIDES: GETTING STARTED

PART 5: Connecting Servo Horns to the Smart Servo (Included)

Remove the M3 screw with a small (size #1) philips - head screwdriver.



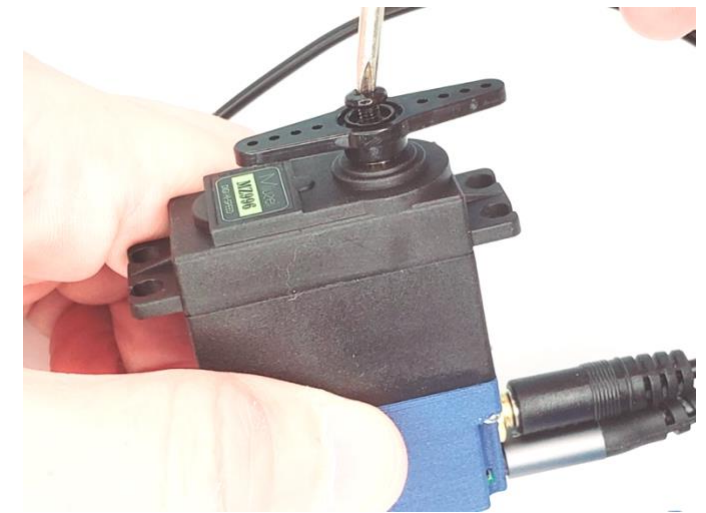
Align one of the included servo horns onto the 25T metal spline. The horn may shift to align with the teeth.

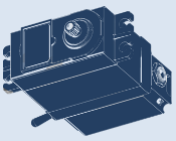


Press the horn down far enough for the screw threads to reach the spline threads.



Secure the horn with the M3 screw.





SMART SERVO GUIDES: GETTING STARTED

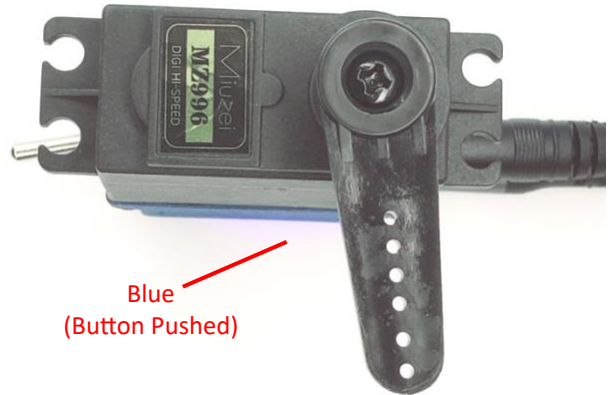
PART 6: Check the Rotation Angle of the Smart Servo

With the Smart Servo Armed, note the initial position of the servo horn.



Green
(Armed)

Press the button and note how far the horn rotates. It should be just over 90 degrees in the counterclockwise direction.



Blue
(Button Pushed)

Remember that this can be re-programmed later for specific projects later.