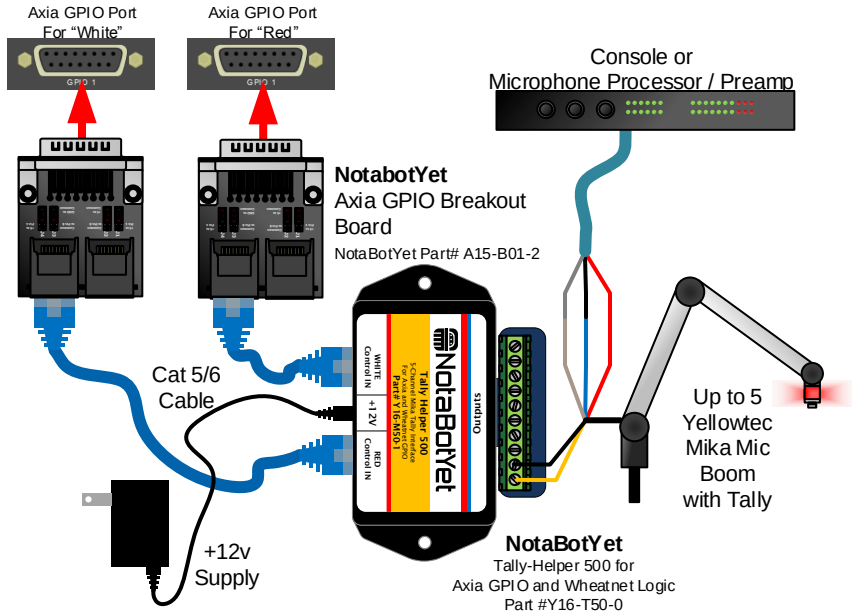
NotaBotYet

Tally Helper 500 for
Axia GPIO and Wheatnet Logic
Part #Y16-M50-1



Installation Example

Purpose:
The NotaBotYet Tally Helper 500 was designed to make installation and operation of Yellowtec Mika microphone arms with integrated "On Air" signal simple and easy. The latest versions of the Mika arms have a signal that can be either red or white depending on the polarity of the wiring to the light. The Tally Helper 500 from NotaBotYet makes it easy to use either color on the fly, without rewiring. Control and choose the color indication using any simple GPIO signal from Axia, Wheatnet IP, or any other active low GPIO output including dry closures to ground. The Tally Helper 500 can drive the tally indicators in up to 5 Yellowtec Mika microphone arms.

Connections:
The board is designed with the assumption that the two power wires for the tally light in the Mika microphone arm have been broken out separately form the audio wires and extended to a location where the Tally Helper 500 is mounted. How this is accomplished is left to the preference of the installer but could include any method using 5 pin xlr cables, krone blocks, terminal barriers, or other methods. Only the wires for the tally light need to be extended to the Tally Helper 500.

Control: Control Input to the board is via two standard RJ-45 connectors. One connector is used to control the red lights in up to 5 tally lights, the other is used to control the white lights in up to 5 tally lights. The pinouts of these connectors match the RJ-45 connectors on our NotaBotYet Axia GPIO Breakout Board (Part #A15-B01-2) or the RJ-45 connectors on any Wheatnet Logic port. However, if your plant is not using Axia or Wheatnet, any type of relay or open collector device that provides a closure to ground to trigger the inputs can be used to control the device, just match the input pinouts.

The two wires that provide signal to the tally light from each of the Yellowtec Mika microphone arms simply connects to the designated screw terminals. The terminals are labeled by function to make this quick and easy.

The included +12V supply connects to two designated screw terminals. The installer should be mindful of the polarity of the connections to make sure the positive wire goes into the positive terminal and the negative wire into the negative terminal

RJ45 Input Pinout: (Ground to Activate)
Applies to Both Red and White Inputs
Pin Number / EIA/TIA 568B Wire Color

1 GND	Org/W
2 In 1	Org
3 In 2	Grn/W
4 In 3	Blu
5 In 4	Blu/W
6 In 5	Grn
7 In 6 (Wheatnet Logic Only)	Brn/W
8 No Connection	Brn

Output Pinout (TB Strip):

1 +12v Input
2 GND
3 Tally 1+
4 Tally 1-
5 Tally 2+
6 Tally 2-
7 Tally 3+
8 Tally 3-
9 Tally 4+
10 Tally 4-
11 Tally 5+
12 Tally 5-

Find more information and installation examples at www.notabotyet.com