HALO Pendant / APEX Connection

for Halo Basic Models 420337, 420289

Scan to View Installation Video

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Rev. 05-18-16

There are **THREE ASPECTS** to configuring the HALO Basic LED Fixtures with the Apex system

1 - PHYSICAL CONNECTION
2 - COLOR CONTROL
3 - INTENSITY CONTROL

PHYSICAL CONNECTION – APEX

The Apex Base Unit or VDM Module has two ports designated "V1/V2" and "V3/V4". These 0-10V variable voltage outputs will allow control of the HALO fixture(s).

Step 1 - Plug one end of the HALO Control Cable into either the V1/V2 port or V3/V4 port on the Apex Base Unit.

Step 2 - There is an input jack and output jack on the top of the HALO Basic models.

Connect the other end of the Control Cable to the HALO 0-10V Input Jack.

COLOR CONTROL

To control the color, we need to identify the color channels on the HALO.

For example, if you connect the Control Cable to the V1/V2 port on your Apex or VDM module, then the White channel will be controlled on VARSPD1_I1 and the Blue channel on VARSPD2_I2.

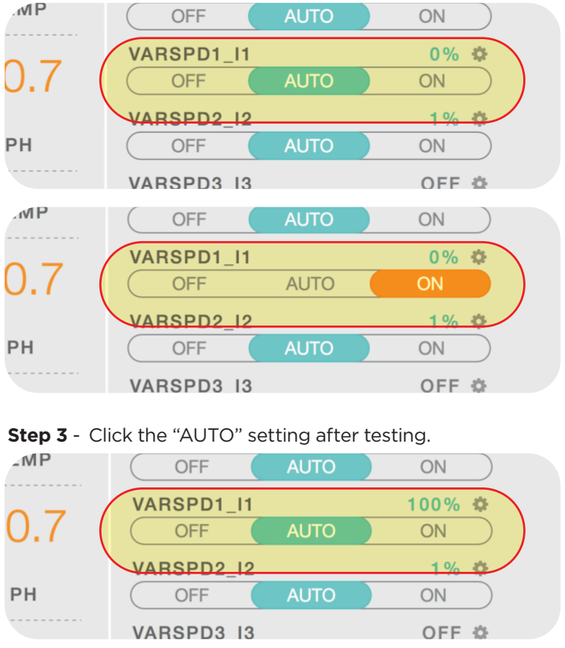
If Connected to V1/V2 Port	
VARSPD1_I1 will control Marine Halo **High Kelvin White** Freshwater Halo **Warm White**	**VARSPD2_I2 will control** Marine Halo **Ocean Blue 400-480 nm** Freshwater Halo **Grow Light 400-680 nm**

If Connected to V3/V4 Port	
VARSPD3_I3 will control Marine Halo **High Kelvin White** Freshwater Halo **Warm White**	**VARSPD4_I4 will control** Marine Halo **Ocean Blue 400-480 nm** Freshwater Halo **Grow Light 400-680 nm**

Testing The Connection (Using The V1/V2 Port)

Step 1 - Login to your Apex web account and select the Apex unit.

Step 2 - Locate the VARSPD1_I1 channel and click the "ON" to manually turn on the White channel on the HALO. Do the LED's on the White channel turn on 100%?



Step 3 - Click the "AUTO" setting after testing.

Testing The Connection (cont.)

Step 4 – Locate the VARSPD2_I2 channel and click the "ON" to manually turn on the Blue channel (Marine HALO) on the HALO. Do the LED's on the Blue channel turn on 100%?

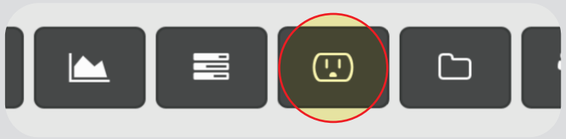
Step 5 - Click the "AUTO" setting after testing.

If the answer is "no" to any of the above questions, then please contact Neptune Systems Support.

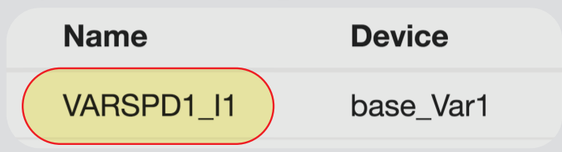
Tip – Rename The Outlet

It's recommended to rename the outlet to help identify what this outlet controls. In this case we will rename VARSPD1_I1 to "WHITE".

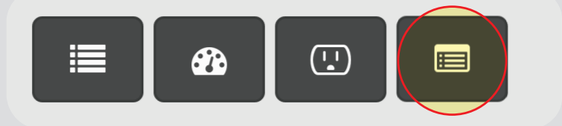
Step 1 - Select the Outputs icon on the dashboard.



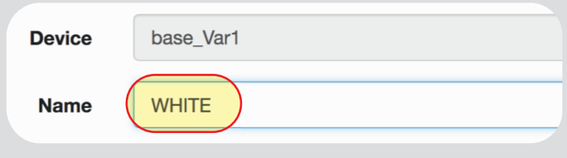
Step 2 - Select the VARSPD1_I1 on the list.



Step 3 - Select the Basic View icon on the Dashboard



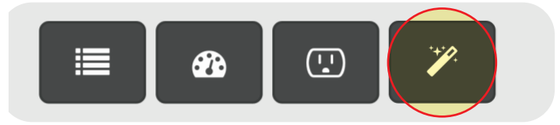
Step 4 - Change Name from VARSPD1_I1 to "WHITE"



Step 5 - Click the orange Update Apex icon to save your changes to the cloud.

INTENSITY CONTROL

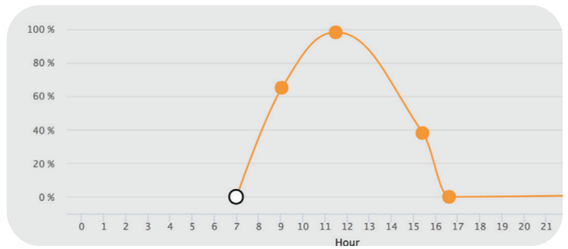
Step 1 - While Output Configuration is open, select the Wizard icon on the top tool bar to reveal the graphing control page for your variable speed port.



Step 2 - Drag and drop the points on the graph to reflect how you would like the White channel to operate over the day.

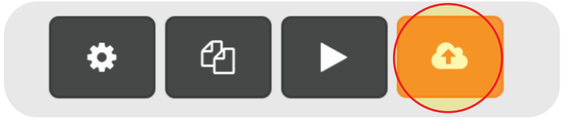
The **X-Axis** is **time** in a 24-hour scale.

The **Y-Axis** is **intensity** from 0% to 100%



TIP: The Halo is designed so that you can operate at very low percentages so that a Moonlight effect can be seen in the aquarium. Typically, 5% is the initial setting for this function.

Step 3 - Click the orange Update Apex icon to save your changes to the cloud.



Demo

To preview how your lights will operate, select the Preview Icon adjacent to the Update icon. This will preview all light programming in a 20 second period.

EB8 Outlet Power

If you plan to power the Halo with your EB8, it is important to program the EB8 outlet that will power the HALO. The outlet start and stop times need to be before and after the programmed times for the V1/V2 and V3/V4 ports.

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