

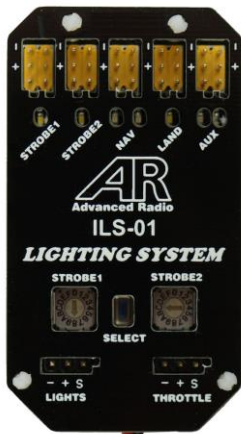


# ILS-01 QUICKSTART

**WARNING THE LIGHTS SUPPLIED IN THIS KIT ARE EXTREMELY BRIGHT. DO NOT LOOK DIRECTLY AT THE LIGHTS FROM A CLOSE RANGE.**

## Step 1 – Battery Connection

Connect a 3 Cell LiPo or 3 cell lion battery to the Power Input. We recommend to put a switch in between the battery and the ILS-01 module to isolate the battery for storage.



3 Cell LiPo or 3 cell lion battery



## Step 2 – Light ON/OFF Control signal

Connect a channel assigned to a 3 stage switch on the transmitter to the "LIGHTS" input on the ILS-01. This channel controls remote switching ON/OFF from the transmitter.

The ILS-01 comes factory programmed to work out of the box as follows:

- 1) Transmitter Switch Position 1 = All Lights OFF
- 2) Transmitter Switch Position 2 = Strobes, Nav and Aux ON
- 3) Transmitter Switch Position 3 = Strobes, Nav, Landing Aux ON

**NOTE: THE ILS-01 comes factory programmed to work with most transmitters straight out of the box. If you need to adjust the switch trigger positions please see How to program Function A\* on page 4**

**HINT:** Before programming try connecting to a stick channel and then move the stick to see the lights switch ON/OFF. Once you have lights turning ON/OFF then move to a switch channel and adjust the channel in the transmitter to get the desired result.

**HINT:** You might need to reverse the channel on the transmitter to get the desired result.



3 stage lighting switch channel. Please note the servo input orientation



## Step 3 - Optional Throttle Control Signal

For the optional Turbine Afterburner ring or Engine flame lights on Propeller models. Connect a Y lead to the receiver throttle channel and connect one of the "Y" lead outputs to the ILS-01 "Throttle" input.

Alternatively and for more flexibility (channel reverse etc.) connect the ILS-01 "THROTTLE" input to a spare receiver channel and mix from the transmitters throttle channel to the spare receiver channel.



Connect to "THROTTLE" channel. Please note the servo input orientation



## Step 4 - Strobe 1 Pattern Select

Select the desired strobe pattern for Strobe 1/Beacon1 by rotating the Strobe 1 16 position dial.

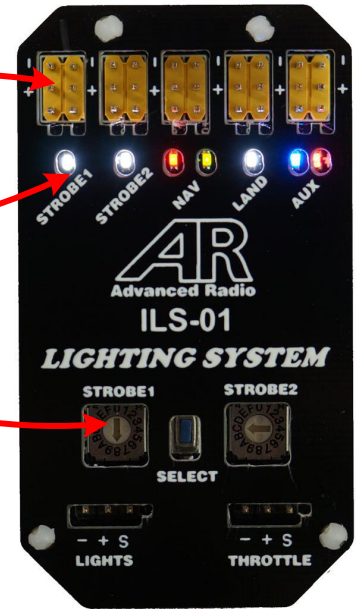
**PLEASE NOTE: Only the first 9 positions on Strobe 1 will select a strobe pattern. (please see the strobe pattern chart on page 4).**

**The remaining 6 positions (A, B, C and F) are command programming positions and have no effect on strobe patterns.**

Strobe/Beacon channel 1 lighting output connectors

Built in Strobe/Beacon channel 1 lighting pattern indicator

Strobe/Beacon channel 1 lighting pattern selector



## Step 5 - Strobe 2 Pattern Select

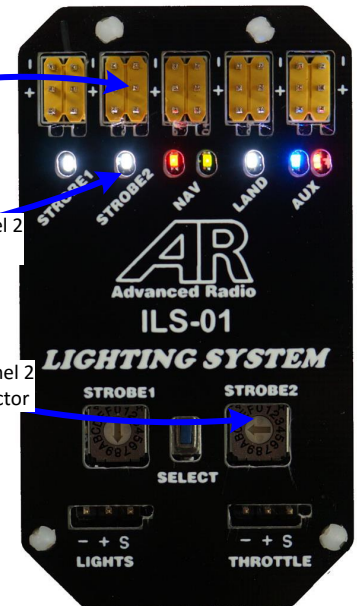
Select the desired strobe pattern for Strobe 2/Beacon2 by rotating the Strobe 2 16 position dial.

**PLEASE NOTE: All 16 positions on Strobe 2 will select a strobe pattern. (please see the strobe pattern chart on page 4).**

Strobe/Beacon channel 2 lighting output connectors

Built in Strobe/Beacon channel 2 lighting pattern indicator

Strobe/Beacon channel 2 lighting pattern selector



## Step 6 – Optional Navigation Pattern Select

The NAVIGATION lights channel comes standard without any pattern (NAV lights constant on). The ILS-01 has a special feature where you can apply any of the Strobe 2 patterns to the NAV output channel.

If you wish to apply a pattern to the NAV lights:

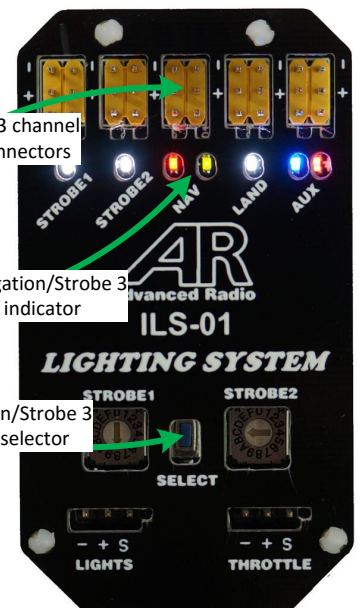
- 1) Rotate Strobe 2 16 position selector to the desired pattern. During this function the pattern on strobe 2 will change to indicate the selected pattern.
- 2) Rotate Strobe 1 switch to position "C" and then press the "SELECT" button. This will copy the Strobe 2 pattern into the NAVIGATION Channel. You will see the same pattern on Strobe 2 and the NAVIGATION channel.
- 3) After setting the NAVIGATION pattern we simply rotate the Strobe 1 and Strobe 2 dials back to their original patterns.

**PLEASE NOTE: All 16 positions on Strobe 2 will select a strobe pattern. (please see the strobe pattern chart on page 4).**

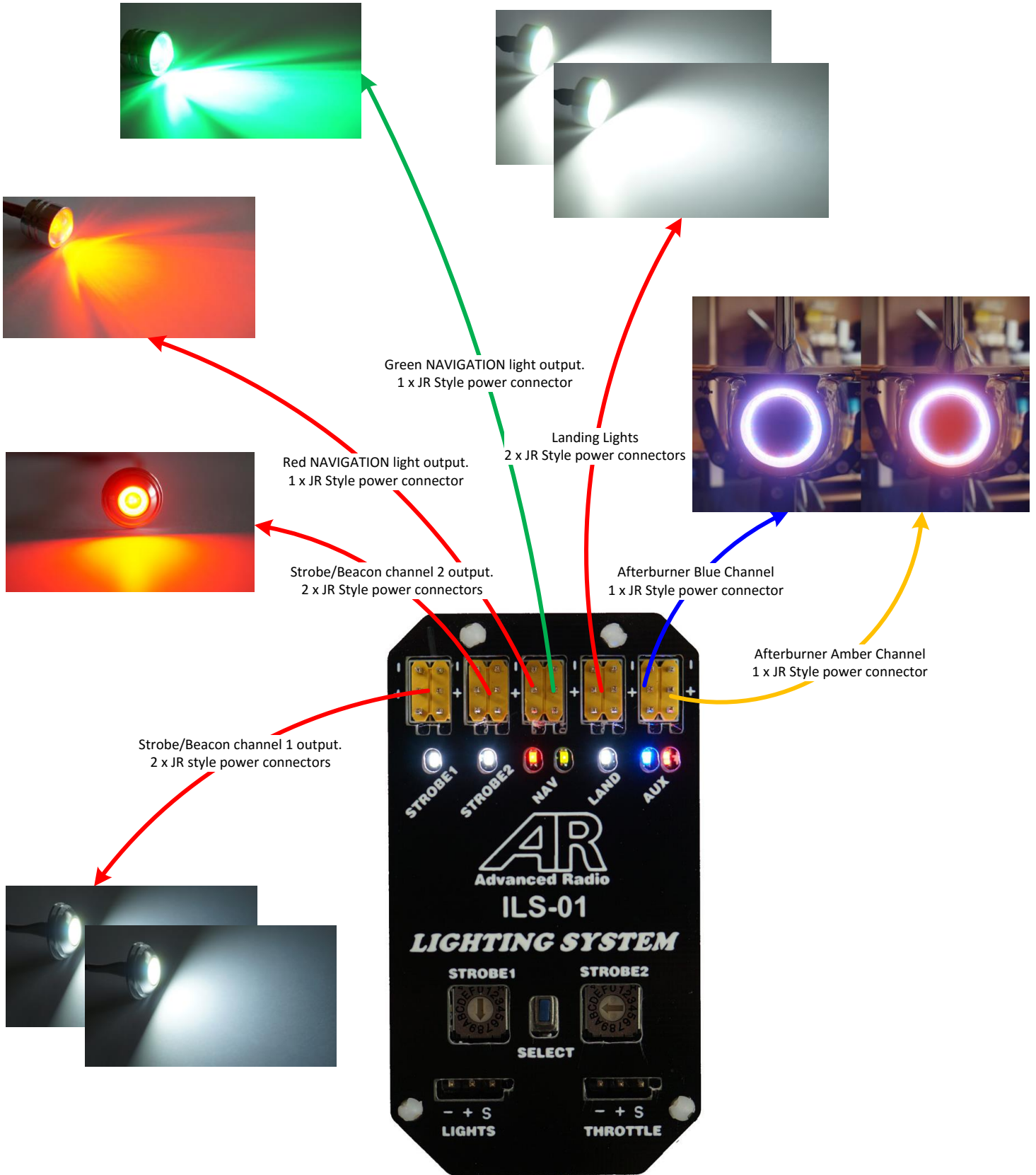
Navigation/Strobe 3 channel lighting output connectors

Built in Navigation/Strobe 3 pattern indicator

Optional Navigation/Strobe 3 lighting pattern selector



## Step 7 – Connecting Lights to the output channels The Fun Part!



Switch Position	Switch 1/Strobe1 Function	Switch2/Strobe2 Function	NAVIGATION after copy to NAV
0	Short Flash	Short Flash	Short Flash
1	Long Flash	Short Flash Opp Phase	Short Flash Opp Phase
2	Double Short Flash	Long Flash	Long Flash
3	Double Long Flash	Long Flash Opp Phase	Long Flash Opp Phase
4	Short Short Long Flash	Double Short Flash	Double Short Flash
5	Long Long Short Flash	Double Short Flash Opp Phase	Double Short Flash Opp Phase
6	Short Long Short Flash	Double Long Flash	Double Long Flash
7	Long Short Long Flash	Double Long Flash Opp Phase	Double Long Flash Opp Phase
8	Rotating Beacon	Short Long Short Flash	Short Long Short Flash
9	Double R.B.	Long Short Long Flash	Long Short Long Flash
A*	Learn Nav On Switch Position	Short Short Long Flash	Short Short Long Flash
B*	Learn Landing On Switch Position	Long Long Short Flash	Long Long Short Flash
C*	Copy Strobe 2 to Nav	Rotating Beacon	Rotating Beacon
D*	No Effect	Rotating Beacon Opp Phase	Rotating Beacon Opp Phase
E*	No Effect	Switched On	Switched On
F*	Factory Reset	Beacon Flash	Beacon Flash

#### LEARN LIGHT SWITCH ON POSITION

##### (Function A\*)

- 1) Rotate the ILS-01 Strobe 1 dial to position A.
- 2) Set the transmitter 3 position switch to position 2 i.e. (Lights ON).
- 3) Press the ILS-01 "SELECT" button to store the setting.

#### LEARN LANDING LIGHT SWITCH ON POSITION

##### (Function B\*)

- 1) Rotate the ILS-01 Strobe 1 dial to position B.
- 2) Set the transmitter 3 position switch to position 2 i.e. (Landing Lights ON).
- 3) Press the ILS-01 "SELECT" button to store the setting.

#### FACTORY RESET (Function F\*)

- 1) Rotate the ILS-01 Strobe 1 dial to position F.
- 3) Press the ILS-01 "SELECT" button to reset to factory.