



Tryka IDS-12 Rack Mount Drive System

Operating Instructions

1. Site the fixture where it is to be used and mount it as follows:
 - i. IDS-12 Rack – Secure the unit to the Rack system using rack nuts and bolts.
2. Connect all LED fixtures to the outputs numbered 1 to 12. Please note that each output will run from 6 to 12 x 1 watt LEDs. This means in the Tryka range: 4 x Module 3, 2 x Module 6, 1 x Module 12, 1 x Strip Module 12 or combinations of those fittings to a maximum of 12 LEDs on each output.
N.B. All fixtures on the same output will operate the same. (Tryka can supply jumper cables from Molex to RJ45 if required.)
3. If using fixtures where multiple units are to be used on each output you will need to daisy chain the units and terminate using an end Terminator (code TRY-RJ45-TERM). If using multiple non linkable units you will need to use the suitable Tryka Junction Box either for RJ45 or Molex as required – ask for details if required.
4. If the IDS-12 is to be used with DMX control and linked to other fixtures connect the DMX cables too.
N.B. This can be done at a later stage if you just want to test the installation.
5. Connect the IEC lead, connect to the mains supply (from 100 to 250V) and switch on.
6. The unit should start outputting a default scrolling mode – Cyclic Wash starting in Blue. However, if this is not the case simply turn the unit off and while holding down the Mode & Store buttons turn the unit back on and hold for a minimum of 5 seconds; the unit will hard reset and it will revert to the Default Cyclic Wash scroll setting at speed 3.
N.B. If the reset is done after sequences have been stored this will totally reset the fixture and any stored sequences will be lost.
7. The unit is now operational.

To use as a stand alone unit

1. The Mode button will move the Green LED light down through the sequences available.
2. It is possible to store a setting for each of the sequence types.
3. After selecting the sequence required via the Mode button, then using the up and down buttons to find the desired output, simply press the store button.
4. At that time, in all but the single colour mode, the next operation to decide on is the speed that the sequence should run at. Speed 1 being the fastest and 8 being the slowest. Each time you press the up button it will halve the speed of the sequence, i.e. 2 is half the speed of 1 and 3 is half the speed of 2 etc.
5. When each of the sequence types have been stored you can simply work through the sequences manually using the Mode button to decide on the output at any given time.
N.B. Remember that if you do not press the store button for any Mode or sequence the unit will revert back to the last setting you stored in approximately 30 seconds.

To use with DMX or Tryka Wall Controllers

1. When you turn the fixture on press the Mode button to move the light down to the bottom option – DMX. If there is no DMX present the red light will come on, in which case check that you have connected the DMX controller correctly.
2. When only the Amber LED is lit this shows that DMX is present. You can then use the up and down arrows to set the DMX start address for the fixture. If using a Tryka Wall Controller as your DMX input, set the start address to 1. If using a DMX desk simply set to the start address required. Press the store button after deciding in either case.
3. At this point the Driver display will read L 3. The driver is now asking whether it should run in 3 channel, 4 channel, 6 channel, 7 channel, 12 channel or 13 channel, 36 channel or 37 channel operational mode. N.B. Only the IDS-12 Driver can run as a 36 or 37 channel system. Do not select that option on the IDS-4. Select the required number of channels it should run in and press the store button.
 - i. 3 channel – All outputs will do the same when adjusting the 3 DMX channels.
 - i. 4 channel – All outputs will do the same when adjusting the 3 channels, plus a master dimmer for all channels on channel 1.
 - ii. 6 channel – Outputs 1 & 2 will do the same and 3 & 4 will do the same.
 - iii. 7 channel as iii except the addition of a master channel on channel 1.
 - iv. 12 channel – All four outputs will be controlled individually, 3 channels per output.

- v. 13 channel as iv. above except the addition of a master dimmer for all channels on channel 1. If using a Tryka Wall Controller you must set the unit to 13 channels to be able to access all the features available.
 - vi. 36 channel – Full RGB control of each output.
 - vii. 37 channel – Full RGB control of each output plus master dimmer. If using a Tryka Wall Controller you must set the unit to 37 channels to be able to access all the features available.
4. At this point you should have full control of the IDS Driver within the parameters you have given it. At any point you can decide to change the parameters simply by going through section 3 again.
 5. You may now connect further IDS Drivers by using the DMX OUT connector to the DMX IN of the next driver and set it up with the parameters desired. N.B. If using the Tryka Wall Control units you must set any further Drivers to channel 1 and L37 the same as you did in section 3. For DMX use via a control desk simply choose the desired channel numbers for each driver, store the start address and then store the operation mode as to the number of channels the Driver should operate at. To save confusion it is best to set all the drivers to the fully expanded mode which gives maximum capability for control of the outputs. If you require all the Drivers to simply mimic the first, set the channel start address the same number on each Driver, i.e. number 1 on all Drivers in the series and set the number of operating channels to a similar setting and all units will synchronise on each of the 12 outputs.

At this stage if you are still experiencing difficulties please go to www.tryka.com to download the individual product manuals and/or product information to check you are running the fixtures correctly or ring a member of the Tryka customer support team on +44 (0)1763 260666. Ideally please call us while you are next to the unit to run through the set up procedure and we can easily troubleshoot the problem you have experienced.

RJ45 to Molex Wiring Connections

Molex Connector Pin Number	Molex Cable Colour	RJ45 Connector Pin Number	RJ45 Cable Colour	Purpose	LED
1	Black	1	White + Orange	Ch 1 Common (+)	Red
2	Yellow	3	White + Green	Ch 2 Common (+)	Grn
3	White	5	White + Blue	Ch 3 Common (+)	Blu
4	Brown	8	Brown	Temp Feedback	tb
5	Red	2	Orange	Ch 1 (-)	Red
6	Green	4	Blue	Ch 2 (-)	Grn
7	Blue	6	Green	Ch 3 (-)	Blu
8	Purple	7	White + Brown	Temp Feedback	tb