

# QL-IR04R

## INFRARED LEARNER/TRANSMITTER MODULE

The QL-IR04R is a four channel infrared learner/transmitter module. It is used for control of various devices that are controllable via infrared remote controls. The device can read and learn codes from any IR remote control and stores in its internal memory. The module can then transmit any code on any of the output channels based on a pre programmed configuration.

The module sits on the QL NET bus and takes power from the bus. It transmits IR codes to IR output ports based on the command given to it on the QL NET bus. The metal construction has been designed and built for safety, reliability and serviceability with top and bottom keyhole fixing. It can be used in both standalone as well as a centralized system. It can be programmed to transmit up to 16 IR codes upon receipt of a single command and it can store up to 2048 codes divided into 4 separate banks.



- *4 infrared output terminals*
- *Stores up to 2048 commands*
- *Operates in both standalone and centralized system*
- *Able to transmit up to 16 IR codes on a single command*
- *Configurable via a PC based software*

### Specifications

#### Power Supply

12V DC

#### Power Requirement

100mA

#### Protocol

QL NET, infrared

#### Connectors

QL NET : 2 nos. detachable 4 pin  
3.5mm connector

IR transmitter : 3 nos. detachable 3  
pin 1.5mm connectors

#### Power Switch

Mini SPDT switch

#### IR Sensor Reading Angle

30°

#### IR Sensor Reading Wavelength

850nm

#### Programming Port

USB Type B socket

#### Safety Regulatory Compliance

CE

#### Environment

Ambient Temperature : 0°C to 50°C

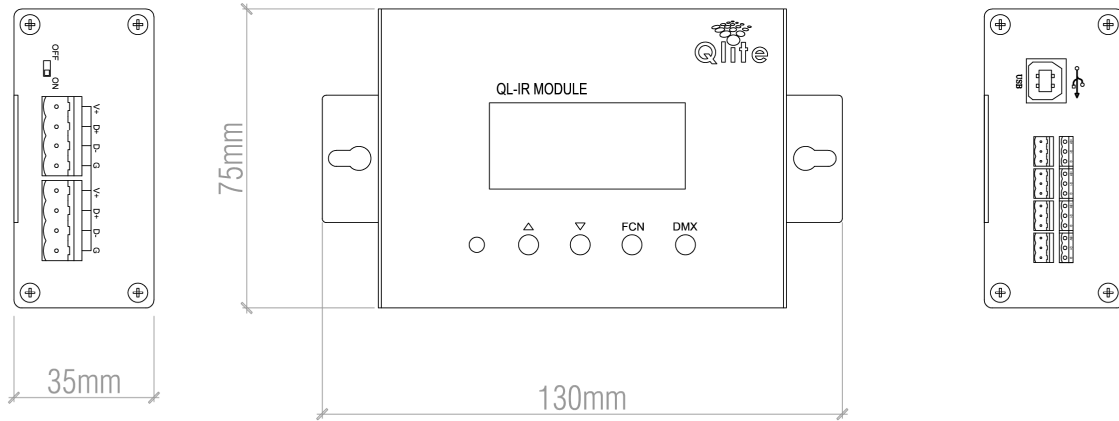
Relative Humidity : less than 80%

#### Dimensions

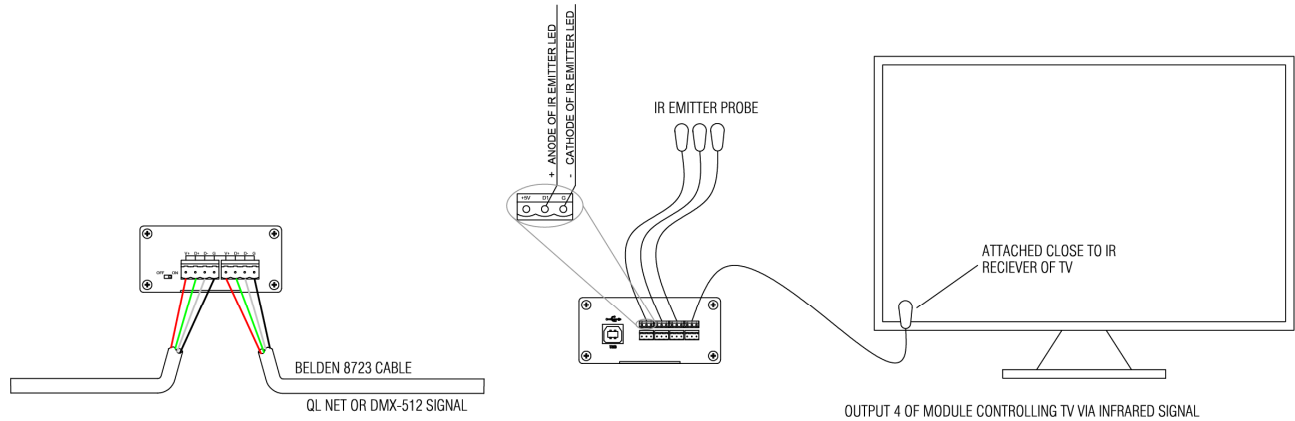
130mm (W) x 75mm (H) x 35mm (D)

#### Weight

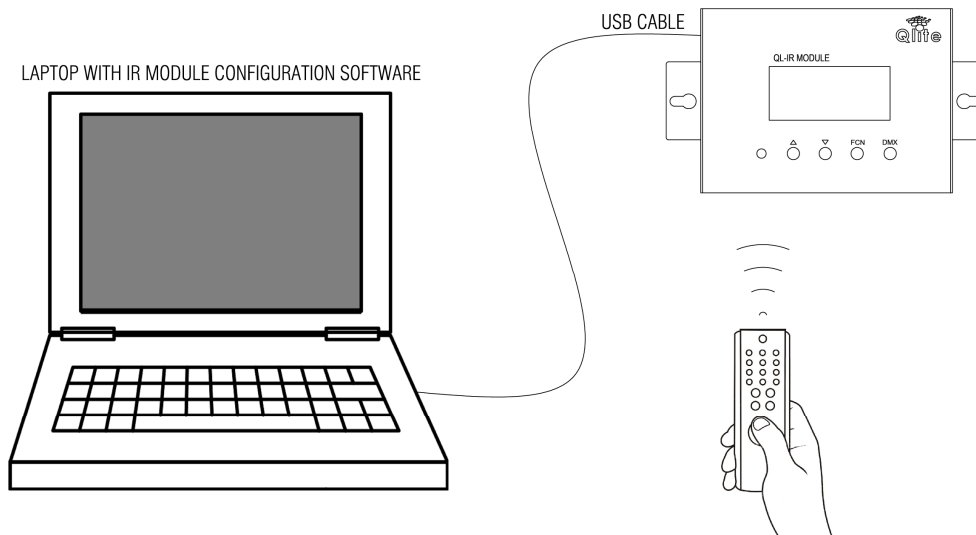
360g



**Fig 1. Module Details**



**Fig 2. Module Connection**



**Fig 3. IR Learning**