



# Quick Manual

v1.0

## IR-Transmitter

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### LTI-038

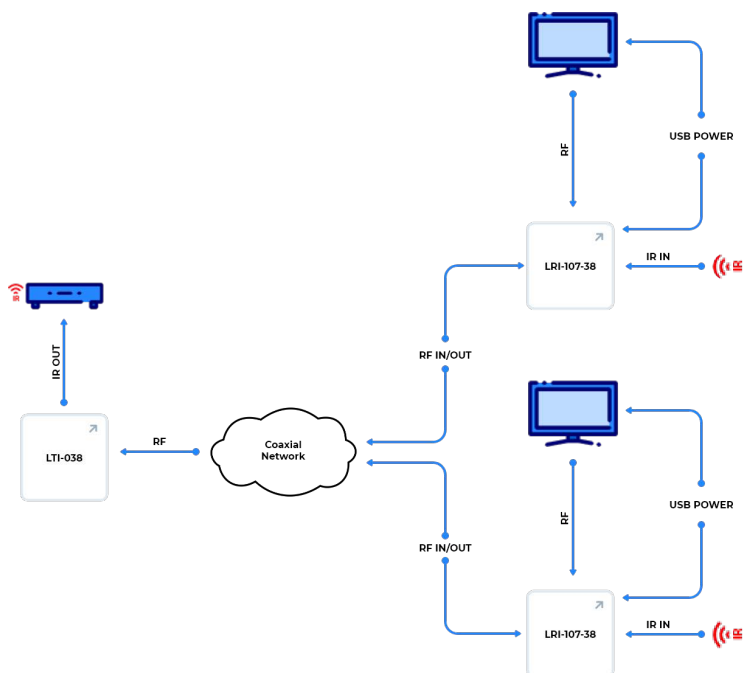
#### DESCRIPTION

TLTI-038 is an IR transmitter which (used in conjunction with LRI-107-38) transmits the commands of an IR remote control of any receiver from one point to another via RF on a network consisting of coaxial cables. More specifically, the LTI-038 receives modulated RF signals at its input and converts them to IR signals in order to control any DTV or IPTV receiver remotely. In addition, the small size and the metal housing of the LTI-038 provide high electromagnetic protection as well as high heat induction and robustness.

#### GENERAL CHARACTERISTICS

- High quality and performance
- Very clean RF spectrum without harmonics
- High RF input sensitivity ( $> 45 \text{ dB}\mu\text{V}$ )
- Strong IR signal
- Micro USB power connector
- Very small size
- External power supply unit

## SCHEME DIAGRAM



To install LTI-038 follow these steps:

### 1st step

At the RF IN input, connect the coaxial cable of the installation.

### 2nd step

Connect the IR cable to the appropriate connector on the LTI-038.

We place the IR transmitter at the appropriate distance depending on the number of receivers we want to control.

E.g. If you want to control more than one receiver, then we place all the receivers close to each other and the IR transmitter at a distance of about 20-30cm.

Under no circumstances should the distance from the IR transmitter exceed 1.5m.

### 3rd step

Connect the power supply of the LTI-038 either by using the USB cable or by using the external power supply unit.

### Γενικά

Power supply:	+5VDC
Connector:	USB female micro
Power consumption:	0.15A max.
Operating temperature:	0 °C to 50 °C
Storage temperature:	-10 °C to +70 °C
Humidity:	Up to 90%
Dimensions:	206 x 179 x 30mm
Weight:	60gr

### Έξοδος IR

IR working frequency:	38 KHz
IR distance:	1.5m max.
IR connector:	3.5mm stereo mini-jack

### Είσοδος RF

Working frequency:	5...30MHz
Modulation type:	ASK
Sensitivity:	45dBμV
Loop-through frequency:	5...862MHz
Loop-through attenuation:	<1dB
connector RF:	F-female