



# TC-TRX

## WIRELESS TIME CODE LINK

*The Ambient Time Code Link has a transceiver module.*

The module can be configured to be either

Transmitter - LED lights up green

Or

Receiver - LED lights up red



There is a sliding switch inside the battery compartment to change the configuration.

Towards outside = transmitter

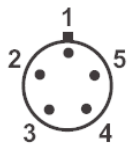
Towards inside = receiver.



experience quality.

# TC-TRX

In/Out is on a LEMO 5-pin socket like all our time code equipment (and Sound Devices, Aaton, Zaxcom etc.) to ensure best compatibility:



Pin 1 = ground / shield

Pin 2 = TC - in

Pin 5 = TC - out

Mating connector: LEMO FGG/JGG.0B.305.CLADxx(ZN)

The TC-TRX is shipped with one mating LEMO connector.

Two AA batteries and use about  $\leq 10\text{mA}$  in TX-mode,  $\leq 20\text{mA}$  in RX-mode, power the units.

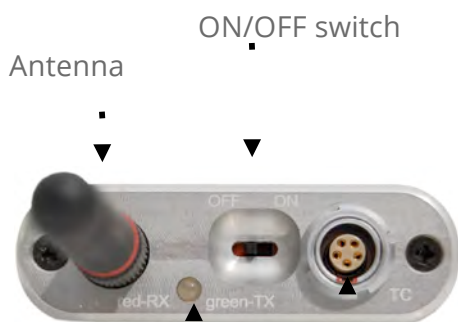
The modulation is an "amplitude manipulation" on

433 MHz (" B ", antenna marked red),  
418 MHz (" A ", antenna marked blue) or  
315MHz (" C ", antenna marked green)

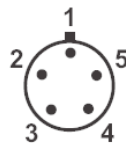
range with that is comparable with a normal radio mike.

We ship the TC-TRX with a reduced length quarter wave antenna, length is 51mm.  
Replacements and alternatives available on request.

Switch to select RX or TX (inside housing)



LEMFO connector



Pin 1 = ground / shield

Pin 2 = TC - in

Pin 5 = TC - out

LEMFO 5-pin connector

Battery flap



Frequency range:

Indicator LED  
(green or red)

**Technical Details**

Frequency range:	A = 418MHz B = 433MHz C = 315MHz
TX Output power:	5 – 10mW (75 Ohms)
Powering:	3 Volt, 2x AA-battery (Mignon-battery, each 1.5V)
Power consumption:	TX-mode $\leq 10\text{mA}$ RX-mode $\leq 20\text{mA}$
Modulation:	AM (amplitude manipulation)
Types of antennas:	Reduced length quarter wave, SMA connector 418MHz: blue marked 433MHz: red marked 315MHz: green marked
Standard length:	5.1cm (helical) Replacements and alternatives available on request
TC-input level (TX-mode):	$\geq 250\text{mV}$ (peak to peak) ( $R_{in} = 10\text{k}\Omega$ )
TC-output level (RX-mode):	0 – 3 Volt (peak to peak) settable, $R_L \geq 1\text{k}\Omega$
Sensibility in RX-mode:	-112dBm
Indication:	TX-mode: LED lights up green RX-mode: LED lights up red
Connector:	LEMO 5-pin, FGG/JGG.0B.305.CLADxx (ZN) Pin 1 = ground / shield Pin 2 = TC – in Pin 5 = TC – out
Dimensions:	5.7cm x 9.2cm x 1.8cm (without antenna)
Weight:	100 grams (without batteries)
Housing:	Aluminum profile housing, anodized

experience quality.

***TC-TRX***

***MADE IN GERMANY***

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