

Ambient Recording GmbH

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Ambient Wireless Time Code Link TC-TRX- A, B or C

The Ambient Time Code Link has a transceiver module.
 The module can be configured to be either

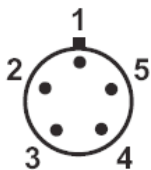
Transmitter – LED lights up green
 or
 Receiver – LED lights up red.



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

Towards outside = transmitter
 Towards inside = receiver.

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:

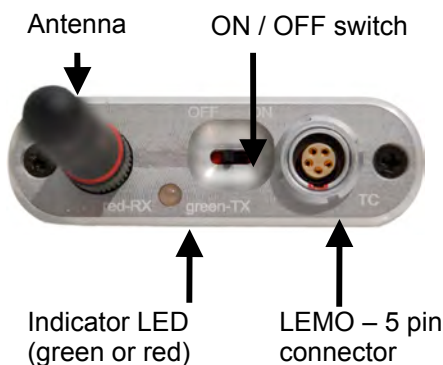


Pin 1 = ground / shield
 Pin 2 = TC – in
 Pin 5 = TC – out
 Mating connector: LEMO FGG/JGG.0B.305.CLADxx(ZN)

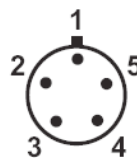
The TC-TRX is shipped with one mating LEMO connector.

The units are powered by two AA batteries and use about $\leq 10\text{mA}$ in TX-mode, $\leq 20\text{mA}$ in RX-mode. The modulation is a "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.

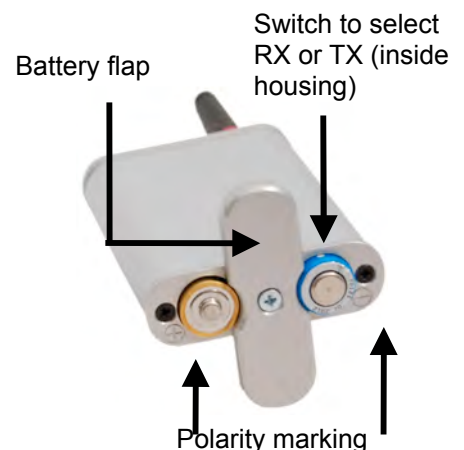
We ship the TC-TRX with a reduced length quarter wave antenna, length is 51mm. Replacements and alternatives available on request.



LEMO connector



Pin 1 = ground / shield
 Pin 2 = TC – in
 Pin 5 = TC – out



Geschäftsführer: Günter Knon
 UST-ID NR. / VAT: DE 811631 238
 München HRB: 104569
 Gerichtsstand München

Münchner Bank eG
 BLZ: 701 900 00 Kto.Nr.: 7578245
 IBAN: DE61 7019 0000 0007 5782 45
 BIC: GENODEF1M01

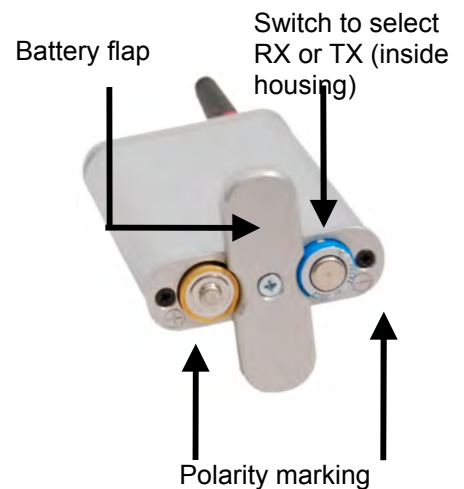
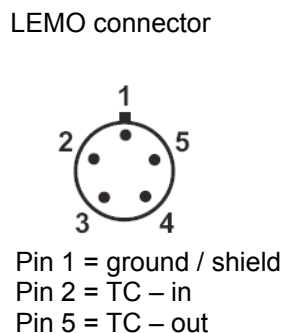
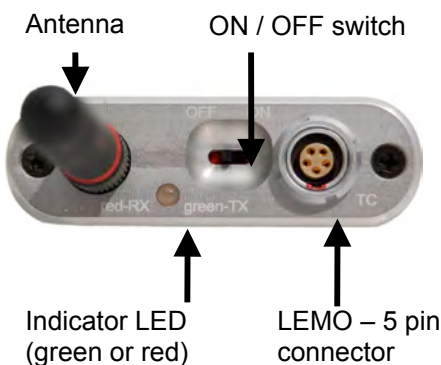
Stadtsparkasse München
 BLZ: 701 500 00 Kto.Nr.: 75144535
 IBAN: DE96 7015 0000 0075 1445 35
 BIC: SSKMDEMM

Wireless Time Code Link TC-TRX- A, B or C

Datasheet



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 5pin, 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:	Aluminium profile housing, anodized



Specifications subject to change without notice.

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