

Transmitter CTX-55



AllNets
electronics

www.allnets.it

The CTX-55 is an encoded digital UHF transmitter suitable to be localized from our unit receiving LCX-29, in the version only digital and in digital + analog version; transmits a digital signal and an analog one at time intervals of about 2 seconds; the transmission code is set by the factory and can not be changed.

The difference compared to CTX-21 is the high range.

The radiated output power of this device allows in optimal conditions largely exceeding the 15km (in open space and unobstructed). The range is determined by the position of the antennas, obstacles, interference, ground clearance etc ... so in some cases could be very limited.

The antenna should preferably be positioned vertically, outside the model, and in the tail at the same (for a good range is essential that the antenna is high if possible and perpendicular to the ground).

In this model, the power must be supplied from outside so we recommend using a small dedicated LIPO 3-5 cells with current 100-350mA able to keep it running for a few days (consumption of about 85mA per day).

We recommend to secure the battery to the module CTX-55 (using adhesive tape) so that in case of violent impact not to disconnect.

NOTE: For more information on the operation, refer to the manual of the receiver LCX-29.

ATTENTION:

Is recommended protect the device from moisture / water to prevent permanent damage.
If the model is made of carbon fiber or metal, the antenna must be installed outside of it.

Note: The frequency used UHF freq: 433.92 MHz and high output power may fail to meet the norm in the various states for which the use is to be made only after it became aware of the rules in force at the place of use is therefore the user's responsibility to respect the rules.

Power	11-19Vdc (3-5 lipo cells)
Maximum current draw with TX on	100 mA (peak during data output)
Average current consumption	3,5 mA/h
Data rate time	about 2 seconds
Life time battery	time in hour = mA battery / 3,5
Working temperature	from 0° to 50°
Operating frequency (UHF band)	433.92MHz
Digital data protocol	24bit
Analog note frequency	2,5KHz x 100mS
Power of trasmitter	400mW (12V) 800mW (18V)
Indication trasmission	green led
Ignition device	ON = switch 1 and 2 = ON; OFF = switch 1 and 2 = OFF
Current draw with device OFF	0,000 mA
Box	ABS blue
Dimensions without antenna	50 x 35 x 15
Weight without antenna	25 gr
Weight with antenna	42 gr
Manufacturer	AllNets electronics
Country of production	ITALY

The AllNets company (www.allnets.it) uses only certified components high quality, designs and manufactures its devices in Italy.