

**BLACK BOX
VIDEO**



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TIME CODE MINIATURE TRANSMITTER 434.075 MHz

Stock Codes 120

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CAUTION
READ
INSTRUCTIONS
BEFORE USE

DESCRIPTION AND INSTRUCTIONS



DESCRIPTION

This system is designed to transmit time code from a camera to a recorder using a reliable and robust UHF link, operating at 434.075 MHz.

The Transmitter is DTI approved and does not require a licence.

- ♦ Very small and light Transmitter - only 50 mm long (or 180mm including the BNC socket and aerial)
- ♦ Housed in an attractive, durable, blue anodised case
- ♦ The Transmitter is powered from the camera via a 4 pin Hirose
- ♦ Provides a second, spare, Hirose socket for other things!
- ♦ Narrow band design gives excellent range up to 500 metres - maybe even more

INSTRUCTIONS FOR USE

Connect the supplied aerial to the **top** BNC socket on the Receiver module and connect the time code output to the BNC socket on the **side** of the Receiver.

Switch on the Receiver with the top mounted toggle switch and the blue LED should light showing the unit is on and the battery is OK. The LED should light bright blue, if it is dim or out replace the MN1604 battery by sliding it out from the battery box. The Receiver can also be powered from the Hirose socket on the side of the unit with a 12V supply. The unit automatically switches to external supply when applied. There is no need to remove the battery.

Connect an aerial to the Transmitter's BNC socket on top of the blue anodised case. Connect a BNC lead from camera Time Code out to the input BNC (male) socket on the Transmitter.

Connect a 4 pin Hirose lead from 12V power out on the camera to one of the Hirose sockets on the Transmitter (the two sockets are identical, and either one can be used for either power in or power out). The blue LED on the Transmitter should light brightly.

Mount the Transmitter wherever convenient (using the supplied Velcro strips if necessary).

The red carrier detect LED on the Receiver should now be lit showing that the Transmitter's carrier is being detected and that the Receiver is in range. The brightness of the red LED gives an indication of received signal strength. The unit may still work even with the red LED out, but you would be right up against the maximum range.

Transmitter Battery Life

For applications where the Transmitter cannot be powered by the 4 pin Hirose plug an adapter can be purchased so that the Transmitter can be powered from a PP3 battery (however, a much more robust alternative to the clip adaptor is the PP3 Battery Box - does the same thing but is compact and sturdy).

Current consumption of the Transmitter is about 25mA so expect about 25 hours life from an MN1604 or around 80 hours from a lithium Ultralife when powering from the PP3 clip adapter (or PP3 Battery Box). The Transmitter battery volts can be from 7V - 16V with no loss of performance since it is internally regulated inside the Transmitter. The blue power light on the side of the Transmitter lights brightly with a fresh battery and gradually dims as the battery runs down. Replace the battery when the LED is very dim.

Aerials

A stubby UHF aerial is supplied with each unit. Additional long and short aerials are available at £20 each.

SPECIFICATIONS

Operating voltage	7 - 16 V
Current consumption	~25 mA
Frequency	434.075 MHz
Output power	10mW
Time Code level in	1 to 5 V
Deviation	30 kHz
Conformation	EN300-220
Length (Including Aerial)	180 mm
Weight (Including Aerial)	130 grms

Time Code Miniature Transmitter

Stock Code 120

£195