# DTX2-RE / RE-DRX2 3/3

## Digital transmitter and receiver

**Product description**

The transmitters RE-DTX2 / 3 and its RE-DRX2 / 3 receivers are used to radio transmit the audio / video signal of a hard-wired camera and take a digital technology that allows total immunity to interference. The input analog video signal is encoded digitally in the transmitter and sent by radio with FHSS modulation and coding encrypted to prevent unauthorized reception. In the receiver the signal is again converted into an analogue to be able to connect to a TV, monitor or video recorders. In DTX2-RE / RE-DRX2 models you also have the possibility of being able to remotely control any device equipped with remote control as a DVR or TV, thanks to the IR cables present in the package.

With DTX3-RE / RE-DRX3 it is a Speed-Dome camera can be remotely controlled models thanks to the RS485 port present both in the transmitter and in the receiver.

**Product Composition**

The product includes:

- Transmitter (RE-DTX) to be connected to any hard-wired camera or receiver (RE-DRX) connectable to any TV set or monitor,
- feeder 9VDC 1A
- Audio / Video cable for connecting the monitor to the RX or TX at the camera.
- omnidirectional antenna.
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**Identify transmitter and receiver**

A complete installation for a camera requires two elements of a transmitter to be installed close to the camera and a receiver to be installed close to the DVR / Monitor.

TRANSMITTER TO CAMERA

RECEIVER TO DVR / MONITOR

**Installation and wiring.**

- Connect unity transmitter to the source Audio / Video (BNC Video / Audio RCA)
- Connect the receiver to the monitor or DVR (BNC Video / Audio RCA).
- Screw the antenna to the SMA connector screw. The antenna type is omnidirectional and does not require to be oriented.

**First Turn**

Once connected to the camera equipment and DVR / Monitor, connect the power supply provided in supplied into the socket 9..12VDC present on both the transmitter and the receiver. E 'advisable to perform the first ignition with transmitter and receiver places a few meters away in order to verify the proper coupling. Upon ignition, the green LED on the module starts flashing. This means that the module is trying to connect with the other element. Once the connection is established, the green LED remains fixed access of both modules and the image will appear on the screen. Transmitter and receiver are supplied already paired factory so we need no operation

why Yes linking between their.

If the LEDs continue to flash instead of stabilizing means that the two modules are not able to communicate with each other, presumably because in places too far away or because of the presence of too many obstacles between antennas. If the LEDs are stabilized properly but the image does not appear on the screen, carefully check the video connections either side of the camera to DVR / monitor.

**Pairing button (PAIR)**

TX and RX communicate with each other in an encrypted way to which they must be coupled among them for work **correctly. However, the This button pairs of TX and RX as a rule should not be used** as the two devices are already delivered factory coupled with each other.

If for reasons of maintenance should be necessary re-pair TX and RX must do the following

- Food TX and RX placing them at 3-5 meters away.
- Press the PAIR button on either the transmitter or receiver until the LED begins to flash. Then release the PAIR button. Within 30 seconds, press the PAIR button on the other module.
- Wait until the coupling TX- RX without powering down the equipment.
- At the end of the two LEDs light up procedure is fixed

**The transmission range**

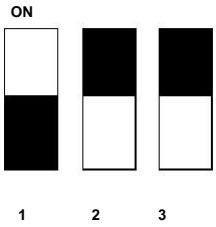
RE-DTX, RE-DRX allow a flow rate in free air of about 150 m. The flow value is given in free air, since the presence of obstacles, such as walls or other reduces the flow rate drastically, but in highly variable manner. E 'can use directional antennas in replacement of standard antennas, to increase to about twice the flow rate of the system.

**Speed Dome Control**

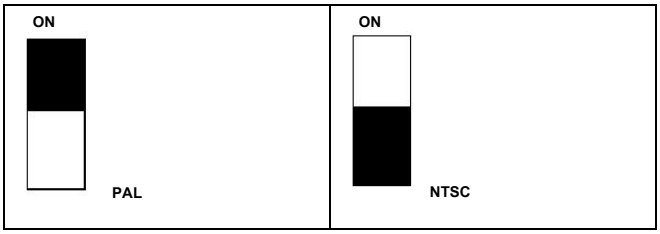
**in models DTX3-RE / RE-DRX3 it is possible to remotely control any Speed-Dome camera** thanks

to the RS485 port present both in the transmitter and in the receiver. It will connect the camera to the RS485 port TX and the RS485 port of the console or DVR to RX.

Once carried out connections is essential
set the video standard and the speed of the Speed-Dome protocol to be controlled by acting on the DIP switches.




The DIP switch 3 is used to set the video standard PAL or NTSC.




The DIP switches 1 and 2 are used to set the speed of the Protocol

| BAUD RATE | DIP 1 | DIP 2 | Switch |
|---|---|---|---|
| 1200 | OFF | OFF |  |
| 2400 | OFF | ON |  |
| 4800 | ON | OFF |  |
| 9600 | ON | ON |  |

**Tips**

- Locate the transmitter and receiver in a position as detected possible.
- Position the camera so that the imaginary line joining the two antennas there are less obstacles as possible.

In particular, try to avoid the presence of obstacles very close to the transmitter.

- Avoid the interposition of metal obstacles (eg. Metal gates etc.) as highly shielding.

**Technical features**

http://www.dseitalia.it/dati_trasmettitori.htm