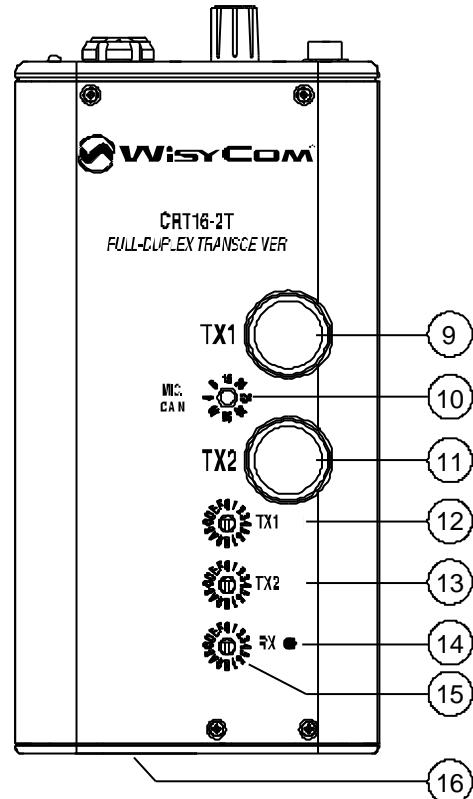
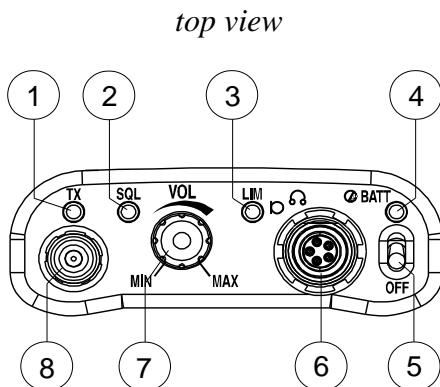


**WIRELESS COMMUNICATION SYSTEMS**  
**CRT 16 - UHF FULL-DUPLEX BELT TRANSCEIVER**


- 1) Led indicator: transmitter power on (red/green led – **TX**)  
(red = **TX1**/main frequency, green = **TX2**/secondary frequency)
- 2) Led indicator: opened squelch (yellow led – **SQL**)
- 3) Led indicator: peak-modulation limiter status (blue led – **LIM**).  
It offers a convenient way to adjust the optimum AF input sensitivity through the selector [10]. With the optimum microphone sensitivity adjustment, the blue led [3] must flash just under modulation peaks.
- 4) Led indicator: power on & low battery status (blinking)  
(green led – **BATT**).  
⇒ turned on when the unit is power-on.  
⇒ blinking when battery level is below the 15% the full capacity.
- 5) Power on/off switch (**OFF**).
- 6) Connector: Fischer 5 pin. Micro/headphone set (please see on page 3 of this operating manual for the relevant connections and internal preset). The unit can be factory preset for different types of microphone according to the custom requirements.  
The AF-output is balanced and referred to ground; consequently both headphone wires must be kept isolated from ground.
- 7) Receiver volume knob (**VOL**).
- 8) Connector: antenna (type Lemo coax-00).
- 9) Transmission button - **red**: main transmission frequency (**TX1**).

In standard preset, the transmitter will be activated just while the PTT (Push-To-Talk) button is pressed. If the function is enabled, a double-click on the button activate the transmitter in hands-free operation (continuously transmitting and listening in the same time), until the same button is pressed again. The transmission frequency can be selected using the **TX1** rotating switch [12].

The double-click operation can be enabled/disabled by keeping pressed the red button for a second while the unit is turned-on, then releasing it. The selected working preset will be saved in the internal memory.

If the DRX option (dual channel receiver) is present and enabled, a single pressure on this button syntonize the receiver to the main channel, selected with the rotating switch **RX** [15]. The received channel indicator [14] becomes red.

10) Screwdriver selector: transmitter microphone sensitivity (7 steps of 5 dB each, for a total range of 35 dB). With the optimum microphone sensitivity adjustment, the blue led [3] must flash just under sound peaks.

11) Transmission button - **green**: secondary transmission frequency (**TX2**).

In standard preset, the button operation is the same as for the main transmission button. The transmission frequency can be selected using the **TX2** rotating switch [13].

If the DRX option (dual channel receiver) is present and enabled, a single pressure on this button syntonize the receiver to the secondary channel, which is next respect the selected one with the rotating switch **RX** [15]. The received channel indicator [14] becomes green.

The DRX option, when present, can be enabled/disabled by keeping pressed the green button for a second while the unit is turned-on, then releasing it. The selected working preset will be saved in the internal memory.

12) Screwdriver selector: transmitter's main frequency (**TX1**).

13) Screwdriver selector: transmitter's secondary frequency (**TX2**).

14) Led indicator (red / green): selected receiver channel indicator (only with DRX option).

If the receiver's channel led indicator [14] is turned off, or if the DRX option is enabled and the led is red, the received channel is the selected one. If the led is green, the received channel is the next respect the selected one.

15) Screwdriver selector: receiver's frequency (**RX**).

16) Compartment for the battery-pack. CRT16 is powered by an interchangeable battery-pack, with nr. 4 - size-AA elements, either alkaline or rechargeable Ni-Mh, that can be separately recharged using Wisecom ACM16 charger. A slide-selector in the battery compartment must be pre-set according to the chosen power source.

Note: A belt-clip is placed on the back side of the unit that can be easily removed with a screwdriver.



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