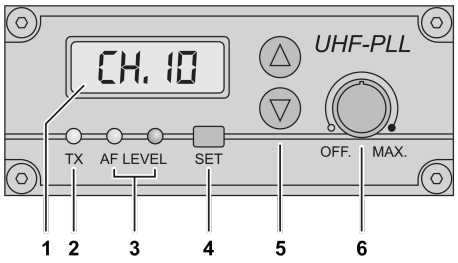
MULTIFREQUENCY UHF TRANSMITTER MODULE



CONTROL PANEL

1. Display to indicate the channel and the radio frequency.
2. TX LED: lights up when the transmitter module is switched on.
3. AF LEDs: indicate the level of the input audio signal (yellow = minimum, red = maximum).
4. SET button: enables the setting mode for the transmitting channel and confirms the channel selection.
5. Arrow keys:
   - To select the transmission channel if in setting mode.
   - To briefly indicate on the display the currently selected radio frequency.
6. ON/OFF switch and volume control for the transmitted audio signal.

OPERATION

1. Keep the transmitter module off while setting the receiving channel in the matching receivers.
2. Turn on the transmitter module by turning the ON/OFF switch (6) clockwise. The TX LED (2) will lights up to show that a radio signal is being transmitted. The display (1) will show the transmission channel.
3. Set the transmitter module to use the same channel of the matching receivers:
   a. Press the SET button (4). The channel number on the display will start blinking.
   b. Use the arrow keys (5) to select the desired channel.
   c. Confirm the channel selection by pressing the SET button. If the choice is not confirmed in 10 seconds, the module will return to the previously set channel.
4. The AF Level LEDs (3) indicate the level of the audio signal that is given as input to the transmitter module:
   - The yellow LED lights up if the input signal has reached the minimum threshold.
   - The red LED lights up if the input signal has reached the maximum level. The red LED should only light up briefly in correspondence to signal peaks, if it remains on the input signal is too strong and the audio source volume must be reduced.
5. Use the volume control (6) to set the desired level for the transmitted audio signal.

IMPORTANT USAGE WARNINGS

The module is compliant with all the required EU directives and therefore CE marked.

- Protect the module from dripping or splashing water, from high humidity or heat (operating temperature range 0 – 40 °C).
- No guarantee claims for the module and no liability for any resulting personal damage or material damage will be accepted if the module is used for other purposes than originally intended, if it is not correctly operated, or if it is not repaired in an expert way.

TECHNICAL SPECIFICATIONS

Antenna:	built-in (λ/4)
Transmitting power:	10 mW (EIRP)
Transmitting range:	70-100 meters
Radio frequencies:	863.1 - 864.9 MHz, divided into 16 channels
Audio frequency range:	70 – 17000 Hz

Channel assignment			
CH.01	863.1 MHz	CH.09	863.2 MHz
CH.02	864.1 MHz	CH.10	864.2 MHz
CH.03	863.6 MHz	CH.11	863.7 MHz
CH.04	864.6 MHz	CH.12	864.7 MHz
CH.05	863.3 MHz	CH.13	863.4 MHz
CH.06	864.3 MHz	CH.14	864.4 MHz
CH.07	863.8 MHz	CH.15	863.9 MHz
CH.08	864.8 MHz	CH.16	864.9 MHz