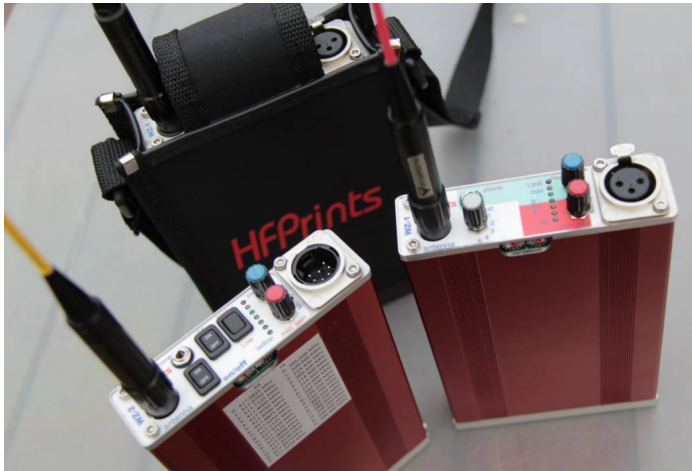


WZ is a compact lightweight portable transmitter/receiver with excellent HF and audio specifications. Its compact and easy to use design is new to this market. It has been designed to replace the larger size models like Sennheiser Ser 20, but with equivalent audio and RF specifications.



The WZ is a few years on the market and has recently undergone some technical updates. All current users are very satisfied with its performance.

WZ is equipped with a removable battery pack, a high RF power mode and a low RF power mode (saves energy), a battery alarm, and built-in receiver for duplex mode.

Despite its small front there is enough room for easy to use manual operation. Channel switching is located under the front panel on the side. Front panel is available in two types.

On Front type A, XLR microphone input, channel switches for transmitter and receiver. Variable audio levels for microphone & headphones, audio led bar, on/off switch, with 6 positions, a 3.5mm jack for headphones and an antenna connector. For extra strength, the antenna connector is part of the aluminum frame of the transmitter. Front A is only for the Netherlands. (No export)

On Front type B, XLR microphone input, channel switches for transmitter and receiver. Variable audio levels for microphone & headphones, audio led bar, separate switches for each function. A 3.5mm jack for headphones and an antenna connector. For extra strength, the antenna connector is part of the aluminum frame of the transmitter. Optional XLR 5 or XLR7 can be ordered for use with microphone/headset at the same time.

For energy saving, WZ in OFF position is completely shut down; it does not use any power. Built-in transmitter and receiver can be turned on and off separately to save power. Dynamic RF power for transmitter, output power is >2W maximum, 300mW in low power mode. Extra feature, dynamic power control, WZ measures the RF level of the return receiver and lowers the output level of the WZ when you are closer to WZ's receiver/return transmitter like the HF prints CLB200. Operation time with dynamic power is 5 to 7 h.

Every WZ is equipped with a led bar for audio and battery level readout. Transmitter has an adjustable microphone volume level and a 16 channel frequency switch. For its optional receiver there is an adjustable headphone volume level and a 16 channel frequency switch.



WZ is available for several frequency ranges in VHF, UHF on request, its receiver is available for 414-430MHz or 440-470MHz, VHF on request. For a better signal to noise in the talkback system, Hidyn is optional.

Operation time with a standard Li-ion battery is up to 3 hours on high transmitting level and up to 7 hours on low power level. If you switch between high and low power of use the dynamic auto adjust feature, an operation time from 3-7 hours is possible without changing the battery. Typical operation time with dynamic power is about 3,5 to 45 Hours

WZ1's battery can be loaded internally or externally, during loading internally, WZ can continue to operate as usual. WZ is sold with a standard battery, battery charger, carrying bag and antenna.

Dimensions: 107 * 30 * 177mm, 0.9KG
Dealer in Spain: www.coelsr.com

WZ1/2 Specifications

General:

DC power

Operation 3400 mA/h battery

Battery led bar

Audio led bar

Transmitter

Number of channels

Frequency range

Switching range

Channel select

Antenna connector

Audio connector(s)

Enclosure

PTT, Only with front type B

HF + audio

Output power

Frequency deviation (standard)

Frequency deviation (semi broadband)

Input audio level

Signal to noise microphone (5mV reference)

Range audio limiter (headroom)

Pre-emphases

Distortion

Audio frequency range (standard)

Audio frequency range (semi broadband)

Option:

Limiter

HIDYN

Dynamic power

Talkback receiver:

Channels

Frequency range

Switching range

Sensitivity

Channel select

Volume adjust

Signal to noise level talkback

Connections:

Headphones

Jack 3,5mm in case of XLR both output are in parallel.

Microphone

XLR 3 female (optional XLR 5 or XLR 7male with headphone output)

Export

Model WZ-2 Front model Type B.

6.6 / 8.4 V internal Li-ion accu battery, removable
(accu switching time < 5 sec)

> 3 – 7 h high / low power
> 15 h receiver (transmitter stand-by))

6 led measures battery voltage.

7 led 20 dB audio level, led 7 = limit led

16 front adjustable

175 – 223 MHz (223 – 250 MHz and UHF on request)

> 10 MHz

BCD switch

TNC

XLR 3 female optional XLR5 of XLR7 (male)

107 x 30 x 177 mm

optional with XLR7 (male)

max. 2,2 Watt, low power +/- 300 mW

50 kHz,

7,5 kHz, 10 kHz optional

5 - 50 mV adjustable symmetrical

> 80 dB Hidyn compression.

> 16 dB

50 us (150 us semi broadband)

0,2 % typical

100 Hz – 20 kHz +/- 1 dB 50 Hz -3dB

100 Hz – 10 kHz +/- 3 dB

Phantom 48V

intern, headroom > 16 dB typical 18 dB

intern, standard HD (equals as Sennheiser)

near the base station the transmit power is automatically reduced.

16 front adjustable

415 – 430 MHz, 440 – 455 of 455 - 470 MHz

15 MHz (415 – 430), (440 – 458) or (455 – 470) MHz

< 0,3 uV 20 dB sinad Mute level 0,25uV intern

BCD switch

Potentiometer at front range 30 dB

> 48 dB, in combination with CLB200, unweight.

> 85 dB with optional Hidyn compressor expander

> Audio level >7V tt balanced, mono > 70 Ohm

Battery charger DC connector 3,5mm connected to charger

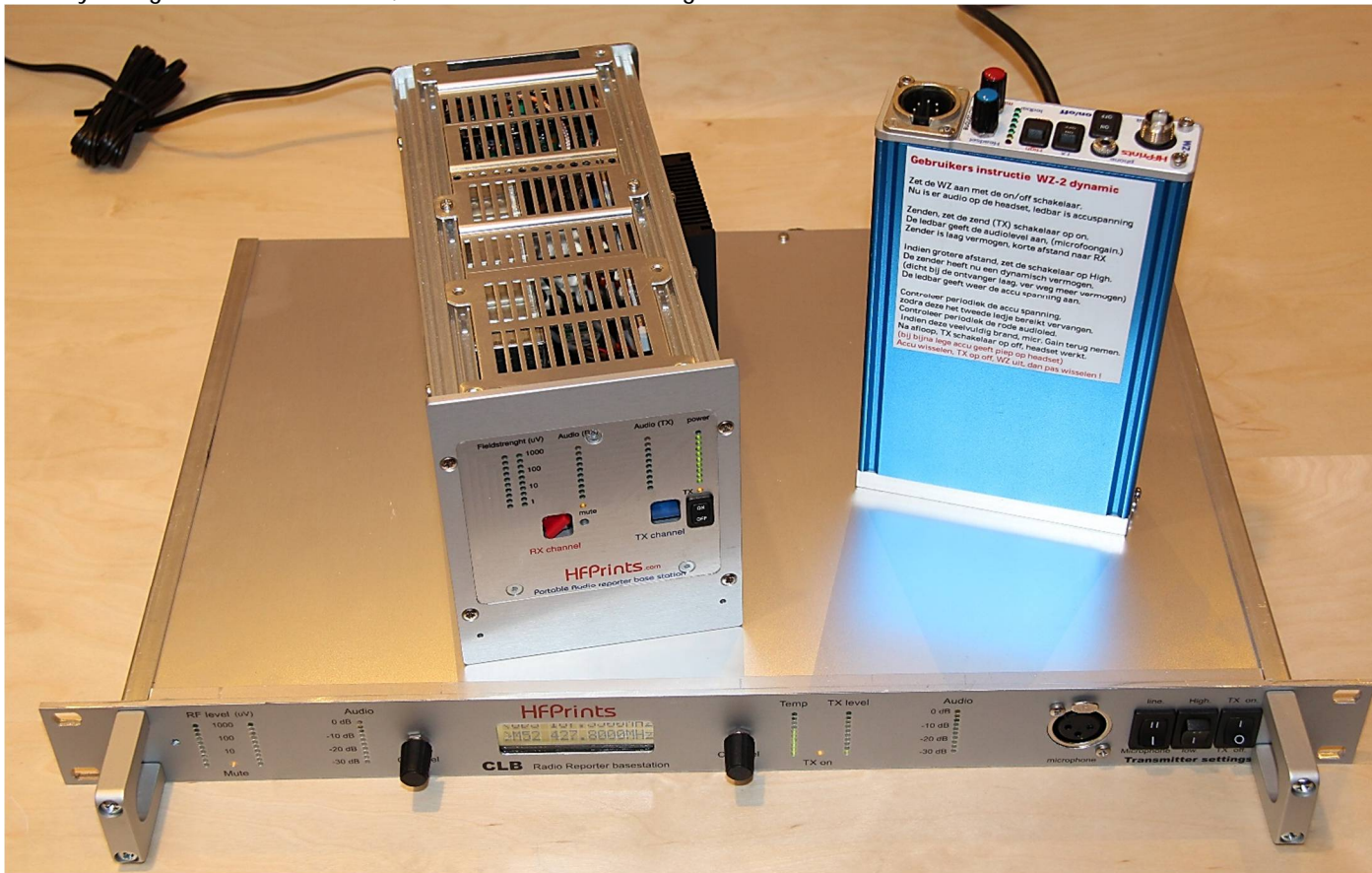


Photo: The normal (19") reporter base-station, the portable base-station and the portable transmitter with talkback receiver.



RAC1 use the portable reporter set with many events, such as Football, here in Camp Nou (FC Barcelona)

For use of this transmitter equipment, a license from the telecom authorities in your country is required. Check in your country where this office is located and make a request for this license. Also when you want to use the equipment abroad, you will have to request a license in the country where you are going to use the transmitter. Without this license, the transmitter is not allowed in the EU.

If you want to use the reporter-set and talkback transmitter in a big event with multiple transmitter users, always check what frequencies can be used to prevent interference with other users. This equipment complies to current ETSI regulations.