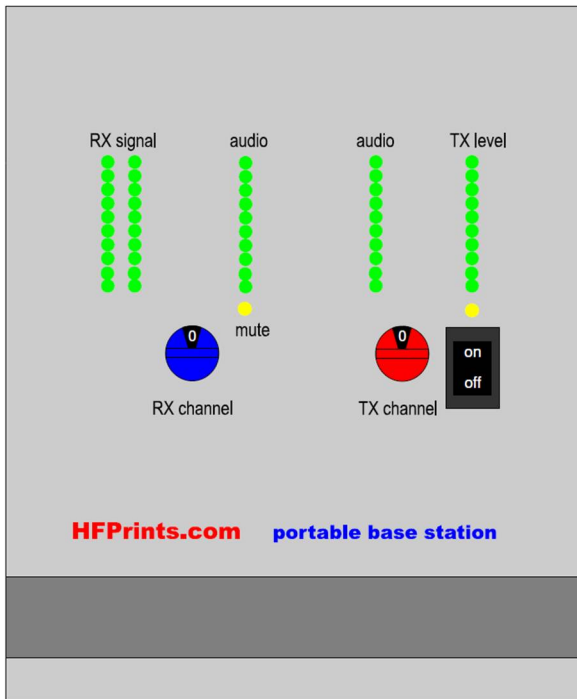


HF prints Portable CLB reporter base station is technically equal to the normal 19" rackmounted base station; but now it has the same modules built into a portable enclosure. It is handy for traveling with a backpacker. The portable basestation includes a true diversity receiver and a talkback transmitter with excellent audio characteristics (no more headaches from noisy handheld radios!). For a better signal to noise in the talkback system, Hidyn is optional.

The portable CLB Base station is for use in the VHF-band available in the Spanish version, which means receiving with a usable bandwidth / channels capacity of 5 to 10MHz.

The portable CLB reporter base station is very easy to use: all manual functions are located on the front panel including frequency readout on a bright LED bars.

Drawing front portable basestation.



At the receiver part, there is a double (diversity) ledbar for signal strength and also a ledbar for the received audiolevel. Channel selection is with a 16 channel rotary switch.

At the transmitter part on the right, there are an audio ledbar for incoming audiolevel and a RF ledbar for checking the transmitting RF power. Channel selection is with a 16 channel rotary switch and a rocker switch is for TX on or off.

The back panel is equipped with 3 N-type female antenna connectors (other types like BNC or TNC on request), 2 XLR-3 audioconnectors (1x line level input for UHF transmitter, 1x line level receiver output); and the power connection is a XLR-4 male for the external AC/DC supply.

All 16 receiving frequencies can be reprogrammed through a standard RS232 protocol with Hyper terminal. Other frequencies/bands can be delivered on request.

Because of the sublime sensitivity of the receiver in combination with HIDYN audio compression, it is possible to maintain a good steady signal over longer distances. Ericsson Broadcast noted that their reach was twice as far compared to their own receivers.

In the picture right an example of RS232 reprogramming with hyper terminal. All major setting can be changed. Hyper terminal is easy to use and can be found on most Microsoft Windows computers. If not, it is easy to find on the internet, and is also available for Linux and Macintosh.

Our dealer in Spain: www.coelsl.com

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ELR ontvanger - HyperTerminal
Bestand  Bewerken  Beeld  Gesprek  Verplaatsen
Kanaal 2 = 206400kHz
Kanaal 3 = 208700kHz
Kanaal 4 = 209600kHz
Kanaal 5 = 210000kHz
Kanaal 6 = 212350kHz
Kanaal 7 = 214300kHz
Kanaal 8 = 215350kHz
Kanaal 9 = 215800kHz
Kanaal a = 210000kHz
Kanaal b = 211000kHz
Kanaal c = 212000kHz
Kanaal d = 213000kHz
Kanaal e = 214000kHz
Kanaal f = 215000kHz
Referentie = 25kHz
RX OFFSET = - 10700 kHz
Toets k voor freq.
Toets o voor offset
Toets r voor ref
Uw keuze :_
    
```

Specifications CLB 200 portable reporter base station

General:

Power supply	12V	2,0A
Antenna connectors	N-type	
Audio connectors	XLR 3 male / female	
Housing	Schroff module 106 x 128 x 250 mm	

Talkback transmitter

Channels	16	front switchable
Frequency range	410 - 470 MHz	
Switching range	> 15 MHz	
Frequency steps PLL	12.5 kHz	internally programmable
Channel switching	BCD switch	
RF power led bar	10 led	
Audio output led bar	10 led	30dB range
Range audio led bar	-24dBm to + 6dBm	
PTT	front	
HF + audio specifications		
RF output power	5 Watt	
Frequency deviation (standard)	3 kHz	
Input level audio	6 dBm	symmetric
De-emphases	750 us	
Distortion	0.5 %	typical
Signal to noise ratio transmitter	> 48 dB	(300 Hz – 3 kHz unweighted)
	> 85 dB	with optional Hidyn compressor expander
Audio frequency range (standard)	200 Hz – 3 kHz	+/- 1 dB

Receiver

Channels	CLB 200	16	front switchable
Frequency range		174 - 220 MHz	
Switching ranges		5 MHz	(maximum 10 MHz)
Frequency steps		25 – 100 kHz	programmable
IF		10.7 MHz	
Antenna connector		N-type	
Audio connectors		XLR-3	all audio outputs on backside panel
Led bar		10 led	RF 1 μV - 1000 μV
		10 led	audio -24dBm to + 6dBm
		led	front adjustable
Mute signaling			
HF + audio specifications			
Sensitivity	20dB Sinad	< 1.0 μV	0.8 μV typ. (1 receiver)
Blocking 10 MHz		> 90 dB	
Intermodulation		> 70 dB	(dynamic range >100 dB)
IF Bandwidth	mono	180 kHz	
Adhacing channel	250 kHz	> 80dB	
Output level audio		0 dBm	a-symmetric non floating
		6 dBm	symmetric non floating
De-emphases		50 us	
Distortion		0.5 % typical	0.7 % max
Audio 20 Hz – 15 kHz	mono	+/- 1 dB	
Mono signal to noise ratio versus HF strength		(Typical)	HD=HIDYN
		2 μV 40 dB	70 dB
		10 μV 54 dB	90 dB
		100uV >60 dB	100 dB

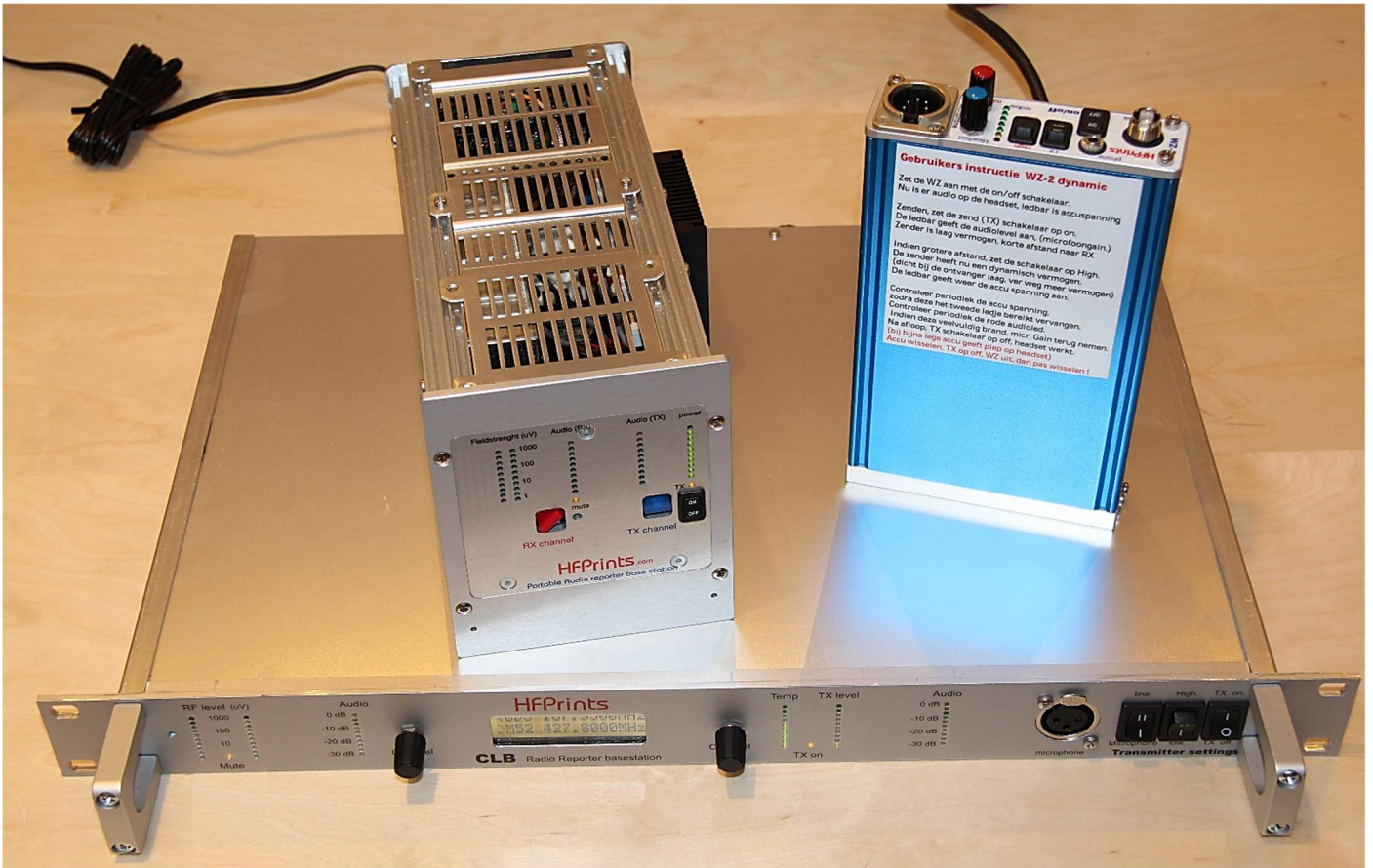


Photo: The normal (19") reporter base-station, the portable base-station and the portable transmitter with talkback receiver.



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.