

COATI portable transmitters notes



- they MUST be placed as far as possible from any other piece of equipment (participants receivers as well) to avoid noises.

This has to be kept in mind when using them as portable devices (eg. field trips): if the interpreter is using a receiver to listen to the floor alongside with the transmitter he will have a terrible noise in his headphones. It is the transmitter that has to be placed far from the interpreter if he needs to use the receiver to switch from the floor to the relay(s). This leads to 2 different options for the retour:

1) If interpreters are close to each other you can have a common floating retour transmitter. (Watch out! The new lavalier microphones are really sensitive and multidirectional so they are not suitable for this option, you will listen to all the interpreters in every channel).

2) If interpreters are far away from each other you could use many retour transmitters that have to be switched off when not used. (We haven't tried this option actually but we think it would work. The only problem is this transmitters are a little slow to be switched on and off).

- They are pretty strong, we used them always at the lowest transmission power level as they were overlapping the rooms.

- Receivers needs to be set up in "mono" function to create a joint stereo otherwise the sound will comes out from one headphone only and with a weird background alien noise. That's true from our distributor, not sure about mic mode.

- They seem to work better if set up to frequencies close one to the other (eg. 83-84-85-86...) as they tend to "fill the gaps" and interfere one with the others when there is more empty space. (just an impression, not proven :D)

- We tried them in a mixed set up too, together with some booths using the old COATI transmitters and they seemed to be stronger: we had to "isolate" the old ones to higher frequencies to avoid interferences from the new ones. We also had the impression that the old transmitters were working better at frequencies below 85 while the new ones above 90

- When the battery icon is half full, charge the transmitters or they will soon be out of battery. It's better not to use the transmitters while they are charging nor to use the charger in the same electrical line as the booths; this sometimes create noise.

- They are completely charged in just one hour and it's better not to leave them charging more as we discovered a few batteries were already overheating after 1,5 hour!

- If you don't manage to switch them on, remove the battery for a few seconds and then try again.

Specifications (claimed)

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- Frequency: 60MHz ~ 108MHz (adjustable)

- Frequency boost: 0.1MHz

- Frequency Stability: ± 10 ppm
- Frequency Response: 50Hz ~ 1500Hz
- Radio Signal Noise: ≥ 60 dB
- Transmission Power: 0.01/10/100/200m (mW?)
- Transmission distance (diameter): 100m / 328ft with level 1 or 2 signal; 300m / 984ft at 3 level signals; 500m / 1640ft at 4 signal levels
- Working hours: 8/6/5/3h
- Power supply: BL-5C Li-Ion, 3.7 V 1000 mAh
- Charging time: about 5 hours
- Support memory card: Maximum 32GB
- Transmitter Size: 79 x 58 x 18mm / 3.11 x 2.28 x 0.71in
- Antenna Height: 114.3mm / 4.5in
- Package Weight: 217g