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How do I adjust the microphone gain on the BP200 Beltpac?

To increase microphone gain on a BP200 beltpac, press the up arrow holding down the ISO button. You will hear "maximum " if you attempt to increase beyond the maximum microphone gain setting. To decrease microphone gain on a BP200 beltpac, press the down arrow while holding down the ISO button. You will hear beeps if you attempt to decrease below the minimum microphone gain setting. BP200 beltpac microphone gain settings are stored in non-volatile memory and do not require adjustment each time the beltpac is used.

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Can I remotely locate the base antennas?

Yes. HME can provide antenna extension kits with properly terminated and right-angle mounting bracket for the base antennas. Only HME antennas should be used in order to avoid violating FCC regulations.

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How long can the cable for the remote antenna be?

This will depend on the type of cable used. HME antenna extension kits are packaged with low-loss cable suitable for the frequency of the DX200. Special low loss cable such as LMR400 is required to avoid loss of

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Can multiple DX200 base stations be daisy-chained, and can they share the same antenna?

Multiple DX200 Systems can be connected together using the two-wire interface connections. Two bases can be connected to each other using network turn-around cable using the four-wire connections on each (one for power to activate the interface on the front of the base). The two-wire interface can also be used to connect two systems together. One base will need to be terminated, though. Detailed instructions on this are available in the System Operating Instructions. The easiest way to connect more than one DX200 base stations together would be to use a two-wire intercom power supply, linking the bases on a common channel of the power supply. Each base needs to have its own antennas, as they cannot be shared.

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How does the DX200 work around other 2.4 GHz equipment?

The DX200 System employs Frequency Hopping Spread Spectrum (FHSS). The hop sequence is pseudo-random; therefore it is unlikely to be interfered by any other devices in the 2.4 GHz band. The DX200 System is also encrypted to prevent anyone from listening to communications from the DX200 System.

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Can you interface a telephone connection to the base?

Most telephone interfaces can be done through either the four-wire interface connection or the Aux In/Out connection in the ISO+ mode. By using the four-wire interface, you may be mixing the telephone with a two-wire system. The Aux In/Out connection can also be connected to the DX200 System. By using the Aux Input/Output

connections and activating ISO+, beltpac users can communicate to telephone line separate from any communications on the IC channel.

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What is the maximum distance that the DX200 System can cover?

This will depend on the environment and the antenna configuration. The DX200 System is commonly used in large auditoriums and theaters with the standard antennas, providing effective coverage throughout the area and the adjacent corridors. For longer distance application, re-antennas can often improve coverage dramatically. Consult your HME representative for the optimum configuration for your requirements.

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How do I eliminate echo on the system?

There are two scenarios where a user may hear echo on the DX200 System. When the DX200 System is operated with beltpac users in close proximity to one another, they may hear the electronic audio from the other beltpac user with the acoustic audio of the user. This can be eliminated by separating the users or by using noise-canceling and closed-ear headsets like the HME HS14D headsets.

The other scenario occurs when the DX200 System is connected to a two-wire system interface and is not properly nulled. A null potentiometer adjustment between the male and female XLR connectors on the back of the DX200 station. Adjusting the null potentiometer will eliminate most of the echo between the two-wire system and the DX200 System.

Please note that the location of the DX200 System relative to the two-wire system's power supply will have an effect on how well the system can be nulled. We recommend that the DX200 System base be located no farther than 10 feet away from the power supply. If this is not possible, then the termination on the two-wire system should be lifted or turned off, and the termination on the DX200 System base should be turned on. Details on the termination can be found in the DX200 System Operating Instructions.

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How do I adjust in/out levels on the two-wire interface?

The Input level on the two-wire interface is factory set. HME does not recommend that it be adjusted. If there is a situation requiring adjustment, it can be done by opening the cover and adjusting R46 to adjust 2-wire

level and R57 to adjust 2-wire send level. However, make sure that the default positions with a non-erasable marker before making this

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How come I hear squealing and noise on my DX200 System?

If you activate the two-wire interface on the DX200 System base station and a two-wire system is connected to the base station, you will hear noise on the system as well as squealing and oscillations if someone attempts to transmit on the IC channel. Deactivate the two-wire interface until you have a properly terminated two-wire system connected to the base station. Alternatively, you can terminate the two-wire interface connection at the DX200 System base station. Details on the termination jumper can be found in the DX200 System Instructions.

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