

WBS-202HD Dual Channel wireless Intercom Base Station

NEW



In order to improve the audio quality of its wireless intercom systems, ALTAIR introduces two new models of wireless intercom base stations: The WBS-200HD and the **WBS-202HD**.

These new wireless intercom base stations **replace their predecessors (WBS-200 & WBS-202), keeping the compatibility with them and with all ALTAIR wireless beltpacks.**

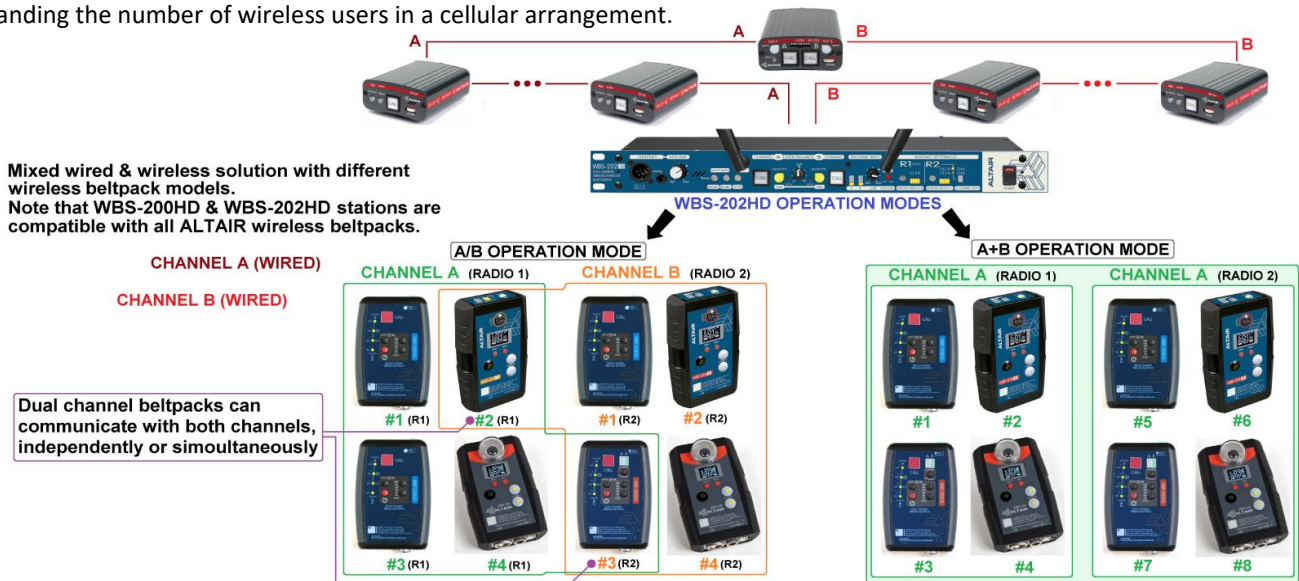
WBS-202HD base station offers the same features and special functions that our clients love and that turned the *WB-200 Series* into a huge commercial success, while notably improving the audio quality in the intercom line.

Two omnidirectional antennas are located on the front panel, each of them dedicated to one RADIO link (Left antenna for *RADIO 1*, right antenna for *RADIO 2*). By connecting additional antennas the user can set up a *Diversity* system for each RADIO which will ensure the best possible coverage while minimizing dropouts.

When used along with any "HD" ALTAIR beltpack, the **WBS-202HD** station will deliver a **100Hz-7Khz audio quality**.

This dual-channel base station can operate with a maximum of 8 ALTAIR wireless beltpacks, in two different operation modes: **A/B** or **A+B**. At the same time, the unit allows the use of up to 20 wired beltpacks (*EM-201*, *EM-202*, etc.), adding flexibility to the system.

When more beltpacks are needed, the unit can be used in "slave" mode by wiring base stations across the working area, expanding the number of wireless users in a cellular arrangement.



TECHNICAL SPECIFICATIONS:

- Dual pre-amble *Diversity* antennas system: detects and selects the higher radio signal to ensure the best possible coverage.
- Digital encryption process allows safe private communications.
- Base station can be powered externally from another intercom station or from a 12 Volts battery.
- Two detachable antennas are provided with the unit. If necessary, additional high gain antennas can be ordered to increase the range.

Radio:

- **Frequency:** 1.9 GHz band
- **Modulation:** GFSK/TDMA
- **Transmit Power:** 22 dBm typically
- **Receive Sensitivity:** -92 dBm typically
- **Number of wireless beltpacks per base:** 1 to 8 single channel beltpacks, or 6 single channel beltpacks + 2 dual channel beltpacks. "A/B" or "A+B" operation modes.
- **HD AUDIO:** *High Definition Audio* (100Hz - 7KHz) when used along with any "HD" wireless beltpack.
- **Range:** Typical 50 to 350 m around base station

Audio:

- **Party line channels:** 2 lines, A and B selectable
- **Program Input:** Line or Mic level (selectable)
- **Audio Out:** Party line or MIC only
- **Headset type:** Selectable, dynamic or electret
- **Headset connector:** 4pin XLR "mini" and standard size XLR4

General:

- **Power requirements:** 90 to 250 VAC / 50-60Hz / 10 Watt
- **Dimensions/weight:** 482x150mm, 1RU Height / 3Kg
- **Compatible** with all ALTAIR beltpacks and headsets

