

# WBS-200HD 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 models **replace their predecessors** (*WBS-200* & *WBS-202*), **keeping the compatibility with them and with all ALTAIR wireless beltpacks**.

**WBS-200HD** 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 of the station to create a *Diversity* system. This ensures the best possible coverage and minimizes dropouts. When used along with any "HD" ALTAIR beltpack the **WBS-200HD** station will deliver a **100Hz-7KHz audio quality**.



#### WIRELESS BELTPACKS



**Example:**  
Mixed wired & wireless solution with different wireless beltpack models. Note that WBS-200HD & WBS-202HD stations are compatible with all ALTAIR wireless beltpacks.



The system can operate with a maximum of 4 ALTAIR wireless beltpacks (both "EXTREME" and "Compact" Series), allowing simultaneously the use of up to 20 wired beltpacks (*EM-201*, *EM-202*, etc.)

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.

ADDITIONAL WIRED BELTPACKS

#### 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 4 units in party line full duplex conversation.
- **HD AUDIO:** HD 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 (selectable)
- **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 PRODUCTS / ACCESSORIES

- Headsets: Compatible with all ALTAIR headset models
- Flight-cases: *WBFC-200F*, *WBFC-202F*, *WBFC-210F*, *WBFC-212F*
- Wireless Beltpacks: *Compatible with all ALTAIR models*

**#DIGITAL, ENCRYPTED COMMUNICATIONS**  
**#LICENSE FREE FREQUENCY OPERATION**  
**#COMPATIBLE WITH WIRED BELTPACKS**

