# EB340|HD Extender Base

Operating Instructions

The EB340|HD is used to add up to 15 additional wireless beltpacs to a DX340|HD system. Three wireless beltpacs can be used simultaneously in hands-free, dual-channel mode, or four can be used simultaneously in single-channel mode.

For example, an EB340|HD can be used to expand a 5-coach system into an 8-coach system. The EB340|HD does not operate as a stand-alone system. It can only be operated in unison with an MB340|HD base station. Wired headsets cannot be plugged into the EB340|HD. The EB340|HD shares the MB340|HD base station's power supply, which connects to both with a Y-cable. Refer to page 3 for equipment connections.
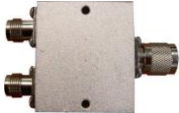
These instructions will guide you through the EB340|HD setup and operation. Before continuing, be sure the MB340|HD base station is set up in accordance with the Multiple Base Stations section of the DX340|HD Operating Instructions.
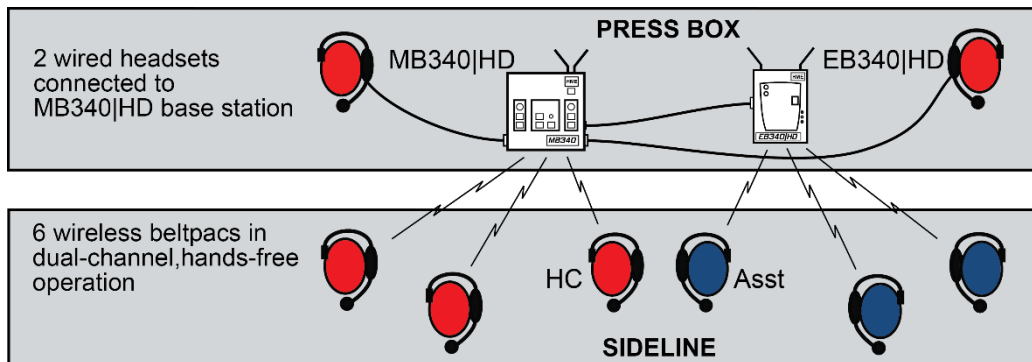
Typical 8-coach dual-channel system

EQUIPMENT INCLUDED

Check the shipping document to be sure all equipment listed is received.

Standard Equipment —	Optional Equipment —
Interconnect cable, Y-cable, EB340|, Antennas	Remote antenna kit with dual 6 foot (1.83 meter) cables and brackets
	Remote antenna kit with dual 30 foot (9.14 meter) cables and brackets
	DX Antenna Splitter/Combiner

EQUIPMENT FEATURES

Antenna
connectors

Registration button

Reset switch

Clear/Band button

Status display

O-Offense, ALL
and X-Defense
indicator lights

Power light

HME

REGISTER

RESET

CLEAR/BAND

STATUS

RECEIVE

O

ALL

X

POWER

EB340|HD

BASE IN
connector

12-14VDC
power connector

Power
OFF ON
switch

EQUIPMENT CONNECTIONS

90º angle
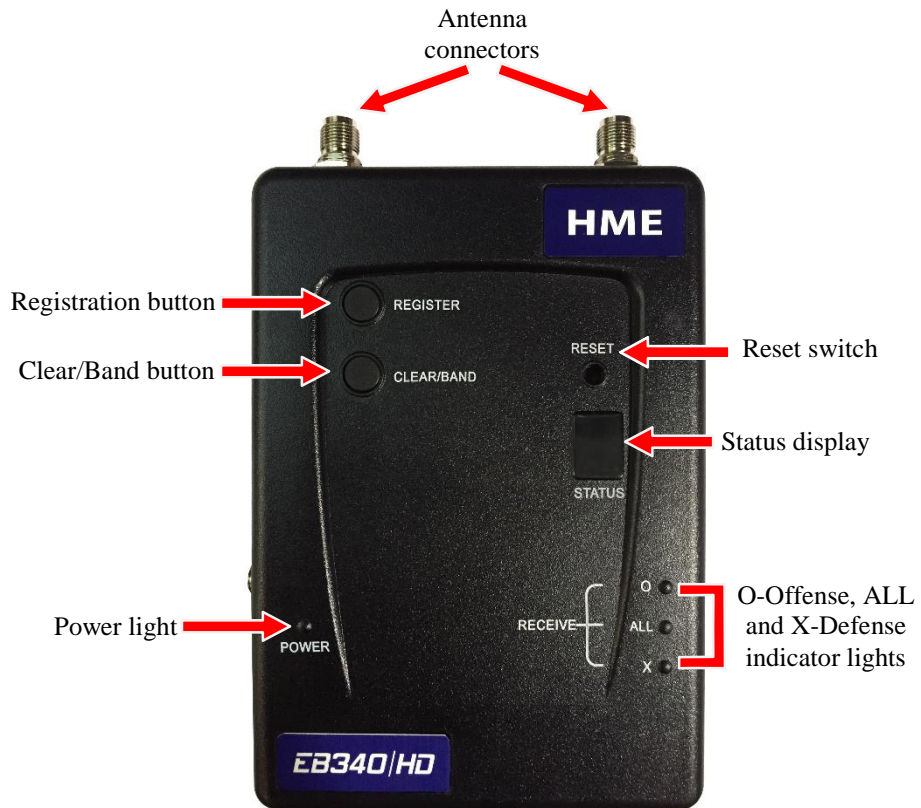
Antenna connectors

1   Connect Antennas to EB340|HD

- Screw both antennas onto the antenna connectors.
- Tighten antennas at 90º angle.

2   Connect Power Supply to MB340|HD and EB340|HD

- Connect Y-cable to MB340|HD base station and EB340|HD.
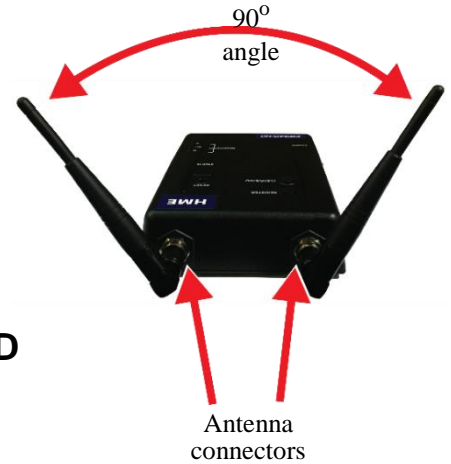- Connect Y-cable to power adapter cable.
- Connect power cord to power adapter.
- Plug power cord into AC power outlet.

MB340|HD

Y-cable

EB340|HD

AC power outlet

Power adapter cable

Power adapter

Power cord
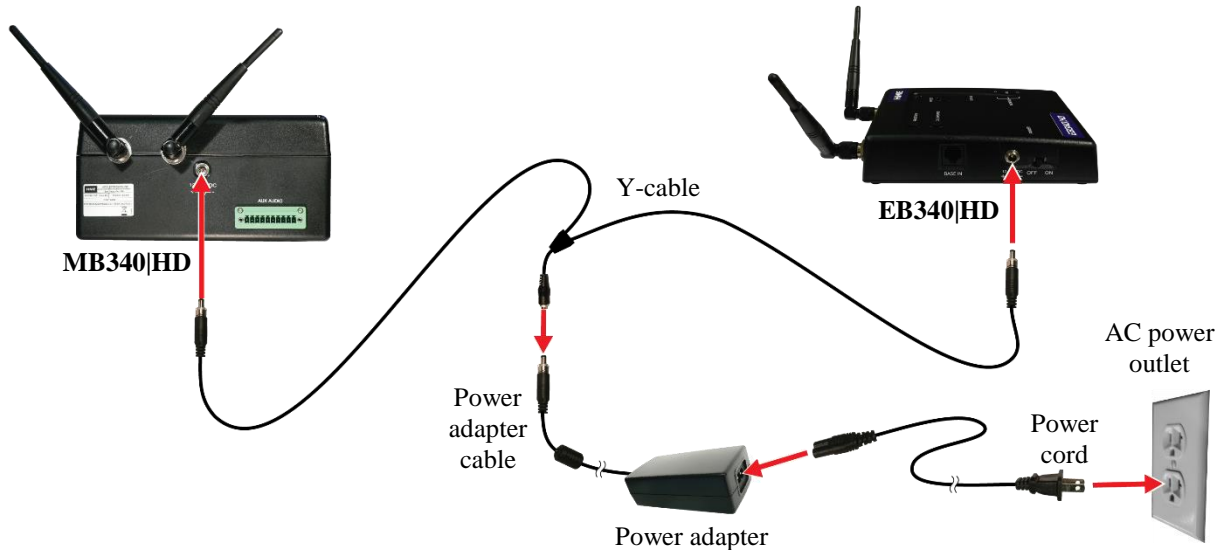
3   Connect EB340|HD to MB340|HD Base Station

- Plug one end of the interconnect cable into the BASE OUT connector on the MB340|HD.
- Plug the other end of the interconnect cable into the BASE IN connector on the EB340|HD.

BASE OUT connector

BASE IN connector

Interconnect cable
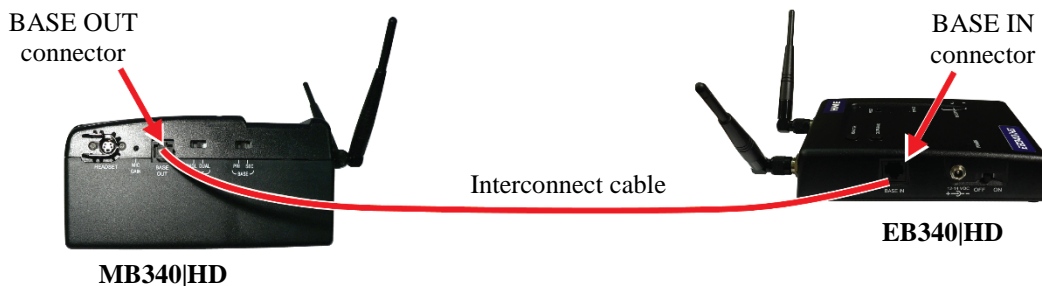
MB340|HD

EB340|HD

NOTE: If the EB340|HD is connected to two or more "daisy-chained" MB340|HD base stations, it must be connected to the last MB340|HD in the chain.

REGISTER BELTPACS TO EB340|HD

Up to 15 beltpacs can be registered to the EB340|HD, although beltpac users can only talk on three (in dual-channel mode) or four (in single-channel mode) at the same time.

- Register each beltpac to be used by following the steps below.

1   **Be sure all beltpacs to be registered are turned off.**

2   **Plug the headset into the beltpac and put the headset on your head.**

3   **Press the REGISTER button on the EB340|HD.**

A lower case "o" will appear on the EB340|HD STATUS display.

ALL button

4   **Press and hold the ALL button on the beltpac while you press and release its PWR (power) button.**

When the registration process is finished, you should hear "Registration complete" in the headset.

An ID number for this beltpac will appear briefly on the EB340|HD STATUS display.

Power button

The ID number indicates the number of beltpacs registered to the EB340|HD, beginning with 0.

5   **To check beltpac operation with the EB340|HD, press the O, X and ALL buttons on the beltpac to confirm that the respective indicator lights on the EB340|HD illuminate.**

6   **Repeat steps 1 through 5 for each beltpac.**

NOTE: If the registration is not successful, you will hear "Registration failed" and the EB340|HD STATUS display will be blank. If that happens:

- Press the RESET button on the EB340|HD with the point of a pen.
- The STATUS display will show "8" and then turn off.
- Try again to register the beltpac.
- If registration fails again, call your dealer for assistance.

NOTE: If you try to register more than 15 beltpacs to the EB340|HD:

- An "F" (Full) will appear on the EB340|HD STATUS display and you will hear "Registration failed" in the headset.
- Clear all current beltpac registrations by pressing and holding the CLEAR/BAND button on the EB340|HD while you press and release the RESET button with a pen point.
  Continue holding the CLEAR/BAND button after you release the RESET button until the clear code "c" (lower case) appears on the STATUS display.
- Register all beltpacs, one at a time, including previously registered ones.

BELTPAC OPERATION

Operation of beltpacs registered to the EB340|HD is no different than with those registered to the MB340|HD base station(s).

Refer to the DX340|HD Operating Instructions.

Single or Dual-Channel Operation

Dual Channel — Offense and/or Defense

Pressing the beltpac "O" button will activate communication with offense only, the "X" button with defense only, and the "ALL" button with both offense and defense at the same time.

In dual-channel mode, three beltpacs registered to the EB340|HD can be used hands-free at the same time.

The EB340|HD factory default setting is for dual-channel operation.

Single Channel — Offense only

All beltpac buttons will operate as the "O" button, for communication only with offense.

In single-channel mode, four beltpacs registered to the EB340|HD can be used hands-free at the same time.

Switching Between Single and Dual Channel Operation

To switch between single and dual channel operation, press and hold the REGISTER and CLEAR/BAND buttons on the EB340|HD while using a pen point to press the recessed RESET switch.

● One vertical bar will appear on the EB340|HD STATUS display for the single channel mode.

● Two vertical bars will appear on the EB340|HD STATUS display for the dual channel mode.

FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communication. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by HM Electronics, Inc. could void the user's authority to operate this equipment.

Hereby, HM Electronics, Inc. declares that the EB340|HD is in compliance with the essential requirements and other relevant provisions of R&TTE Directive 1999/5/EC.

$C\,E$

This product operates in the 2400 to 2483.5 MHz frequency range. The use of this frequency range is not yet harmonized between all countries. Some countries may restrict the use of a portion of this band or impose other restriction relating to power level or use. You should contact your Spectrum authority to determine possible restrictions.

Waste Electrical and Electronic Equipment (WEEE)

The European Union (EU) WEEE Directive (2012/19/EU) places an obligation on producers (manufacturers, distributors and/or retailers) to take-back electronic products at the end of their useful life. The WEEE Directive covers most HME products being sold into the EU as of August 13, 2005. Manufacturers, distributors and retailers are obliged to finance the costs of recovery from municipal collection points, reuse, and recycling of specified percentages per the WEEE requirements.

Instructions for Disposal of WEEE by Users in the European Union

The symbol shown below is on the product or on its packaging which indicates that this product was put on the market after August 13, 2005 and must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of the user's waste equipment by handing it over to a designated collection point for the recycling of WEEE. The separate collection and recycling of waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local authority, your household waste disposal service or the seller from whom you purchased the product.