



I-Station Multicast

I-station multicast configuration & Integrating with HME wireless pagers



1 I-station multicast configuration

"MultiCast" with HME Wireless transmitters allows a facility to cascade pages to a series of transmitters over an IT network. The cascade allows the user to cover a significant portion of a building(s) without the needs for radio repeaters or large scale broadcast antennas. The use of MultiCast also allows facilities to expand their reach in very short order just by adding a new transmitter to the area that they want covered.

How to setup the multicast

To setup up the multicast, be sure that you have the following information.

- Static IP for each transmitter
- Allow port 4000
- Ethernet port on each transmitter
- Gateway IP
- Subnet Mask

To enter Programming Mode

The ISTATION contains 12 different menus. Some of the menus are not used in the Multicast application. To go to Network programming menu, follow the procedure below.

1. Press the "**SETUP**" button.
2. Enter the Network password

1173 followed by "**enter**".

3. When the password is accepted, the display will show "use * to scroll to menu options".
4. Use the "***/ Menu**" key to scroll through the different menu options.
5. Press "**CANCEL**" to exit the system programming menu.

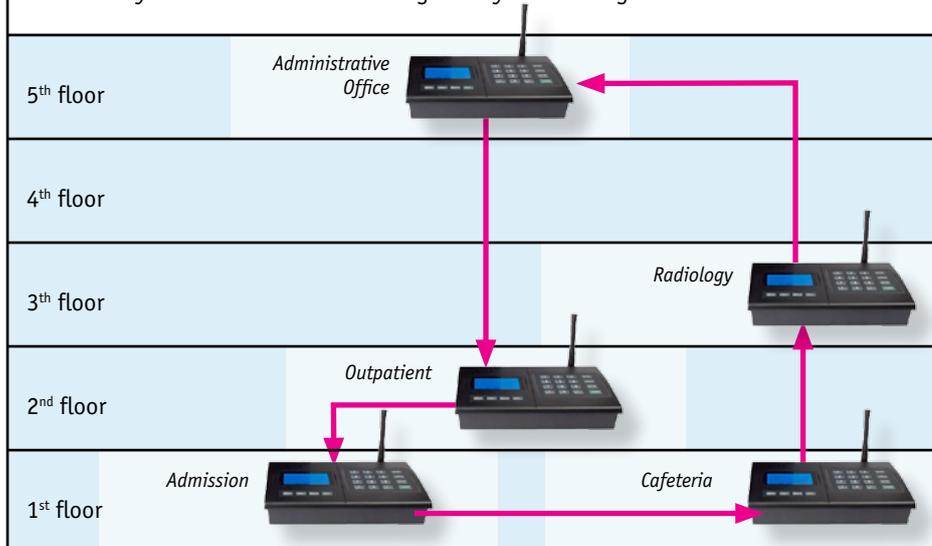
Default values are italicized

- Menu 1 Repeater – **OFF**
Not used in Multicast
- Menu 2 Duplicate Message Suppression – **0**
Not used in Multicast
- Menu 3 Repeat Delay – **0**
Not used in Multicast
- Menu 4 Set RX – **OFF** Not used in Multicast
- Menu 5 Set TX – **Enabled**
This is the transmitter RF power. Be sure that this is enabled.
- Menu 6 Set Multicast – **ON**
- Menu 7 Set IP Address – **192.168.1.10**
Assigned IP for the first HME device. Each transmitter should have its own IP address.
- Menu 8 Set Listen Port – **4000**
- Menu 9 Gateway IP – **192.168.1.1**
Location Network gateway IP
- Menu 10 Subnet Mask – **255.255.255.0**
- Menu 11 POS IP Address – **192.168.1.11**
Assigned the next IP for the HME device in the cascade.
- Menu 12 Set Gateway Port – **2370**

**NOTE: Multicast requires static IP addresses for each transmitter. The Network addresses listed above are examples. Your local IT expert will determine the values for your unique installation. Please contact HME Technical Support at 800-919-9903 if you require assistance in changing the address values.*

Sample of multicast layout

Message is broadcast from originating transmitter (Admission) on 1st floor. After message is sent, it is cascaded to the next IP address set up in its menu. The cycle repeats until the original message is returned to the originating the page to close the loop. Transmitters can be anywhere on the network as long as they can be assigned a static IP address.





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2 Integrating with HME wireless pagers

To utilize HME Wireless pagers, you will require an Integration Station transmitter plugged into your network router (HME part # ISTATION, image below) to deliver messages. Please contact your HME sales representative for upgrade details, if needed.

Configuring the integration station transmitter

Your Integration Station transmitter requires a dedicated IP address and port within your network. To configure the transmitter you will require the information below, an Ethernet cable, and a free port on your network and router.

Please contact your IT Administrator to obtain the address information prior to proceeding. If provided prior to shipping, HME will configure the transmitter in advance.

To configure the transmitter:

1. Press **SETUP**, enter the password 6629 and press **ENTER**, you should see **TCPIP SETUP**.
2. Press **MENU** 1x. The display will say **IP ADDRESS**, press **ENTER** to edit this field.
3. Enter the 12 digit IP address IT has provided, when entered press **ENTER** to accept.

4. Press **MENU** 1x. The display will say **SET LISTEN PORT**; press **ENTER** to edit this field.
5. Enter the port number provided by IT, when entered press **ENTER** to accept.
6. Press **MENU** 1x. The display will say **GATEWAY IP.**; press **ENTER** to edit this field.
7. Enter the 12 digit IP address IT has provided, when entered press **ENTER** to accept.
8. Press **MENU** 1x. The display will say **SUBNET MASK**; press **ENTER** to edit this field.
9. Enter the 12 digit IP address IT has provided, when entered press **ENTER** to accept.
10. Press **CANCEL** to exit the menus
11. Connect transmitter to your network router by plugging an Ethernet cable in the available port, then into the transmitter jack labeled LAN CABLE – the light on the transmitter jack should illuminate green when the connection is live.

Configure software

In each of the Restaurant App Suite applications there is a configuration screen, accessible by touching the “gear icon” . Once in the configuration screen, you will need to setup your pager numbers and the IP address that is listed on the previous page.



Once all information is entered, you are ready to begin sending messages to your HME Wireless pagers.

NOTE: The transmitter will display a small ‘T’ in the upper right hand corner when messages are received from the software and broadcast

For question or assistance please contact us.

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Please enter below next to each field for your future reference

Dedicated IP address	_____ . _____ . _____ . _____	(example: 192.168.001.222)
Listening port	_____	(example: 4000)
Gateway address	_____ . _____ . _____ . _____	(example: 192.168.001.001)
Subnet address	_____ . _____ . _____ . _____	(example: 255.255.255.000)