

Wireless Speaker

User Manual



YeonHwa M Tech Co.,Ltd.

1. Features of the DXE-1400/2400/DXR-3400

DXE-1400/2400/DXR-3400 are wall-mounted and ceiling-type digital wireless speaker used for digital(DMR) radios and PA radio broadcasts. Wireless speaker is consist of DMR receiver, a power supply, and a BLE module that can change the program. It can be installed easily if the commercial power (AC220V) is available. Figure 1-1) is the most common method using digital(DMR) radios, and Figure 1-2) is a system using the PA system to broadcast using a microphone, radio, mobile phone, Landline phone and the Internet.

Applications : Used in places where dangerous situation or broadcasting is needed, such as factories, hotels, large marts, parking management, amusement facilities, fishing boats or merchant ships, village broadcasting, and disaster broadcasting.



Figure 1-1) Broadcasting using digital radio

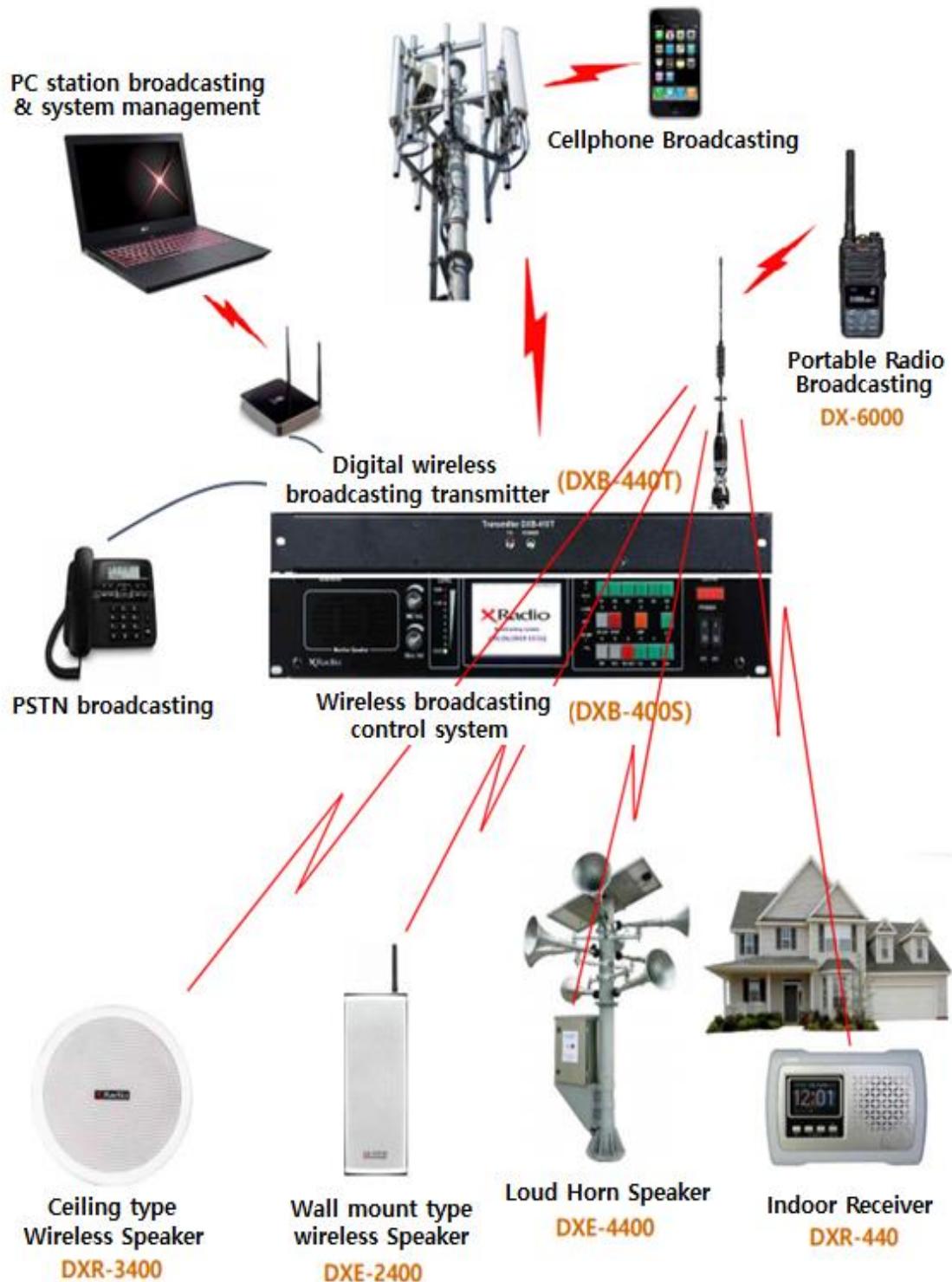
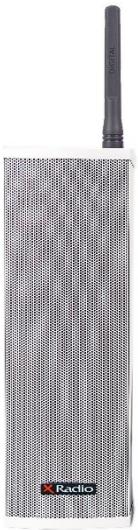


Figure 1-2) Xradio's PA Broadcasting system

2. Product appearance and features

Models	Specifications and features	Remark
DXE-2100/2400 	<ol style="list-style-type: none"> 1. Frequency <ul style="list-style-type: none"> - DXE-2100/1100/DXR-3100 : 138~174MHz - DXE-2400/1400/DXR-3400 : 403~470MHz 2. General Specifications <ul style="list-style-type: none"> - Channel Spacing : 12.5KHz - Frequency Stability : $\pm 1.0\text{ppm}$ (-30 ~ +60°C) - Digital Vocoder : AMBE++ - Digital Protocol : ETSI TS 102 361 3. Receiver Specifications <ul style="list-style-type: none"> - Sensitivity : 0.22uV BER 3% - Inter-modulation : 65dB - Spurious Rejection : -36dBm(< 1GHz) -30dBm(> 1GHz) 	
DXE-1100/1400 	<ol style="list-style-type: none"> 4. Audio output <ul style="list-style-type: none"> - DXE-1100/1400 : 10W - DXE-2100/2400 : 20W - DXR-3100/3400 : 10W 5. Dimension <ul style="list-style-type: none"> - DXE-1100/1400 : 126(W) x 133(D) x 266(H)mm - DXE-2100/2400 : 126(W) x 133(D) x 376(H)mm - DXR-3100/3400 : Ø227x100(D)mm 	
DXR-3100/3400 	<ol style="list-style-type: none"> 6. Main features <ul style="list-style-type: none"> - Remote volume control using portable radio - Built-in BLE module - Upgrade firmware using BLE - MP3 download using mobile phone(*Option) - Built-in SD Card (*Option) - Store and play MP3 files (*Option) <p>* features are used in PA system, please consult with us for more information.</p>	

3. Safety Notes

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.

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 communications. 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 authorized by the party responsible for compliance may invalidate the user's authority to operate the equipment

Please read the following recommendations for safe and effective use of the Radio.

 WARNING	<ul style="list-style-type: none">• Please do not remove, damage antenna or use damaged antenna it causes affecting the receiver performance.
 Caution	<ul style="list-style-type: none">• Please make sure to use AC220V power.• If the power is unstable, noise may be generated in the wireless speaker.• Be careful when using the speaker in a place where computers or other electronic devices are being used because the strong electronic waves from the Radio can affect this equipment.
 WARNING	<ul style="list-style-type: none">• Please do not disassemble or modify the wireless speaker. It may cause malfunction or affect product.
 Caution	<ul style="list-style-type: none">• Please do not damage or give a strong impact to the product.• Please avoid direct sunlight or place with high humidity.

Warranty Card

Thank you for purchasing a DXE-2400 wireless speaker.

1. This product has passed strict quality control and testing procedures.

2. Warranty is one year from original date of purchase.

- Failure or the product under normal operating conditions, during the warranty period maybe repaired by a distributor, the head office, or service center free of charge.

3. For the following cases, service fees will be charged.

- When repair occurs after the warranty period has passed.
- When the product is damaged used to user's mishandling, abuse of improper operation.
- When the product is damaged due to fire, pollution, earthquakes, and any other natural or unnatural conditions, accidents, etc.
- When defect caused not following the instructions or precautions described in the user manual.
- When the proper power source is not used.
- When the product is damaged due to user's modification, attempted repair or otherwise access to sealed/non-user serviceable items.

4. Personal information for wireless speaker

Model No	<input type="checkbox"/> DXE-1400, <input checked="" type="checkbox"/> DXE-2400, <input type="checkbox"/> DXR-3400	
Serial No		
Purchase date		
Purchaser	Name	
	Address	

※ When purchasing a product, please be sure to write down the above chart.

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