

# Infrared Wireless Microphone System Product Introduction



# Product lineup

Microphone  
(pendant-style)

WX-LT310E



Microphone  
(handheld)

WX-LT100E



Receivers



WX-LR100E/A



WX-LR100E/B

Infrared sensor

WX-LS100E



Infrared sensor  
coupler

WX-LC10E



Charger Stand

WX-LZ10E










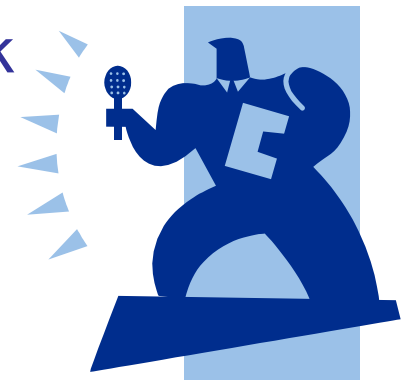
Battery  
Charger

WX-LZ110/G



# Key Features

-  + High Sound Quality for Speech Use
-  + Hands-Free Operation
-  + Remote Volume Controls on the Pendant Microphone
-  + Light Weight Handheld Microphone
-  + Accommodates Four(4)-Microphone Simultaneously
-  + Microphone Aux input Allows Local Playback  
from External Sources
-  + Smart Circuitry for Batteries



# Exclusive Panasonic features

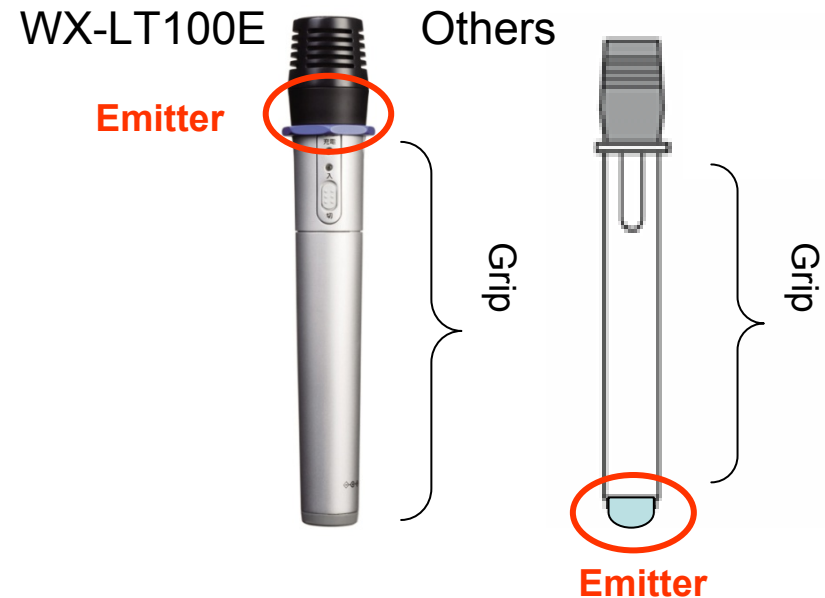
## Lightweight and easy-to-use handheld microphone

### The emitter designed to prevent problems

The infrared emitter is located right under the microphone. By relocating the emitter from the grip, sound interruption by inadvertently blocking the emitter by the hand holding the grip is prevented.

### The lightweight design eliminates fatigue from long time use.

The microphone weighs approximately 190 g including two rechargeable batteries. It weighs approximately 170 g with alkaline batteries. The weight is drastically reduced as compared to that other manufacturers. The design eliminates fatigue from long time use.



Panasonic: Approx 190 g  
(rechargeable batteries included)

# Exclusive Panasonic features

## Innovative hands-free pendant-style microphone

### Easy to wear

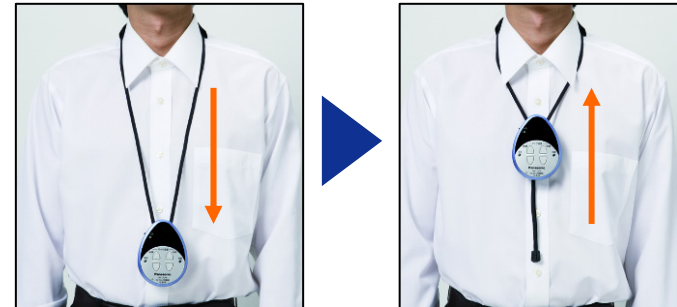
The innovative device worn around the neck. It can be easily worn over clothes without pockets.

### The cordless design prevents wire damages

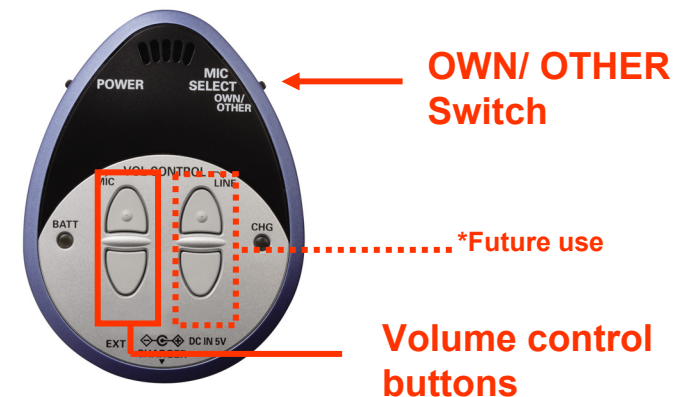
The microphone, emitter and main unit are integrated into one unit. The cloggy cord of the conventional clip-type microphone is gone, eliminating the risk of being caught or wire damages.

### The volume is controlled on the microphone

The pendant-type microphone is equipped with volume control buttons. The volume of the microphones worn by the user and other person can be controlled. (The two channels of the same receiver are controlled.)



WX-LT310E



# Exclusive Panasonic features

## Using the microphone in a more flexible way

### The four channels are supported by a single microphone

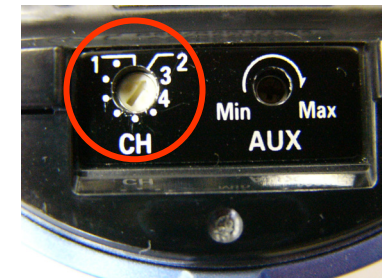
The PLL frequency conversion system is adopted in the infrared microphone for the first time.

The single microphone with a selector switch to four channels allows using the microphone in a more flexible way.

### Channel selector switch



Handheld

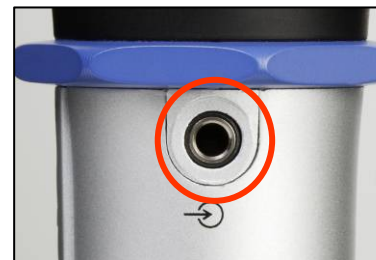


Pendant-style

### The microphone has a line input terminal

The microphone is equipped with a line input terminal. Audio data from laptop PCs and other devices can be easily reproduced via the infrared microphone thus providing effective presentation. (The microphone is turned OFF while the line input is used.)

### Line input terminal 3.5mm phone jack



Handheld



Pendant-style

# Exclusive Panasonic features

## Using the microphone in a more flexible way

**Commercially available rechargeable batteries can be used**

Basically, rechargeable batteries are used. The commercially-available, easy-to-obtain Panasonic size AA rechargeable batteries can also be used. They are recharged while installed in the main unit. The dual power supply system supports size AA dry batteries in an emergency.

**The energy-saving scheme allows up to approx. Six(6) hours.**

Both rechargeable and dry batteries provide the long battery life. The user will enjoy carefree use of the microphone in a **prolonged** meeting.



Commercially available Panasonic nickel hydrogen rechargeable battery



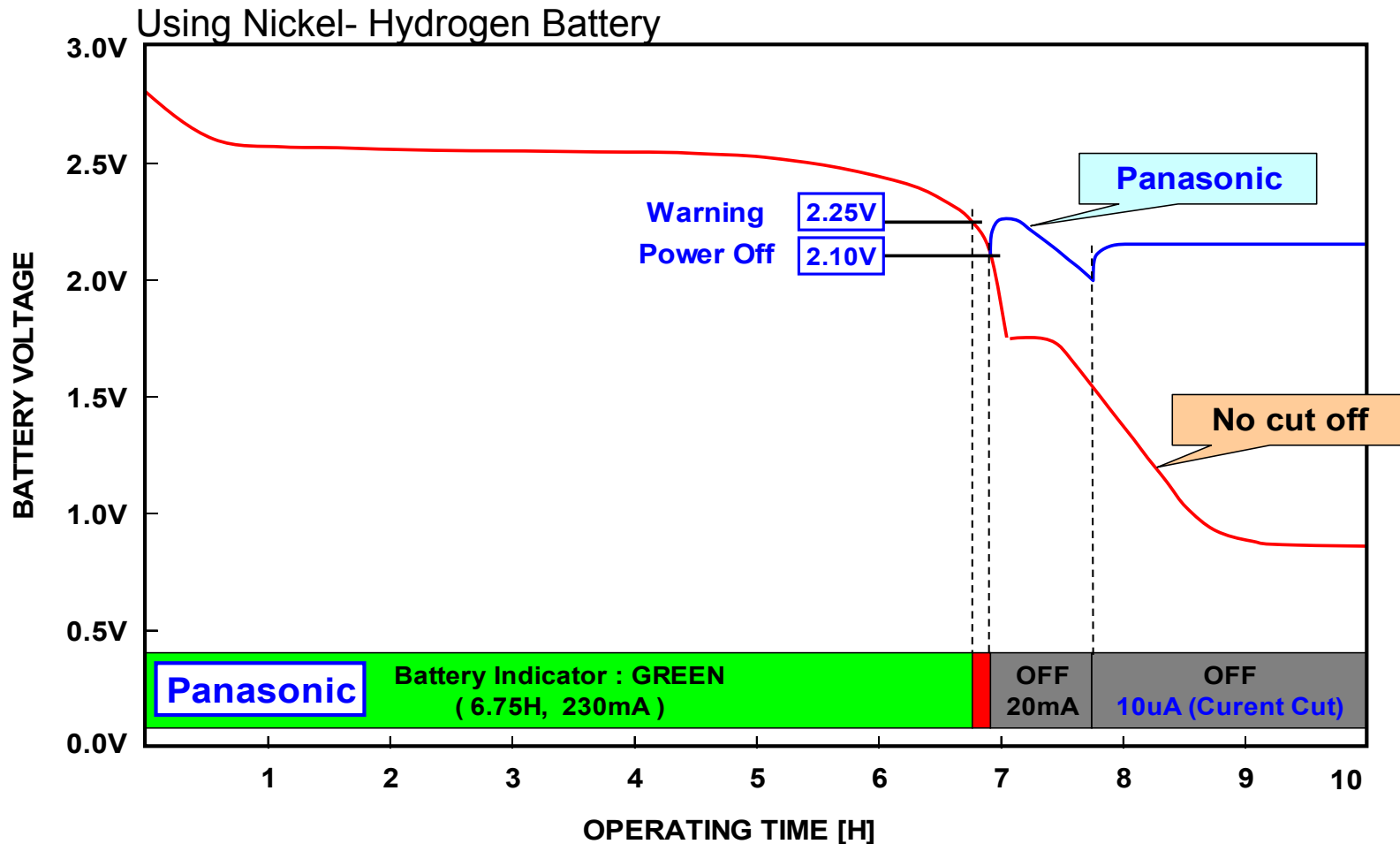
Charger Stand

Battery type	Rechargeable battery	Dry battery (Alkaline)
Operating time	Approx 6 hours	Approx. 5 hours

# Exclusive Panasonic features

## Battery over discharging protection

Panasonic infrared microphone will be automatically power off to protect Ni-Hydrogen batteries from over discharging for long time usage.





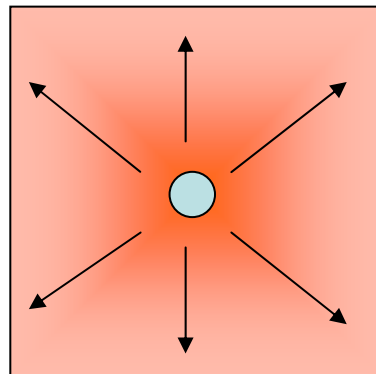
# Exclusive Panasonic features

## Easy to install

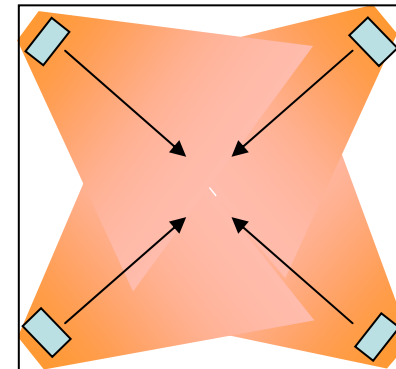
The dome infrared sensor covers 360 horizontal degrees.

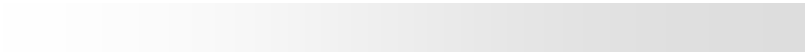
A single infrared sensor covers a wide area with 360 horizontal degrees. An area of a standard size can be covered by a single sensor. The cable length alignment process in setting up multiple sensors is unnecessary and the installation is facilitated.

### WX-LS100E



### Others

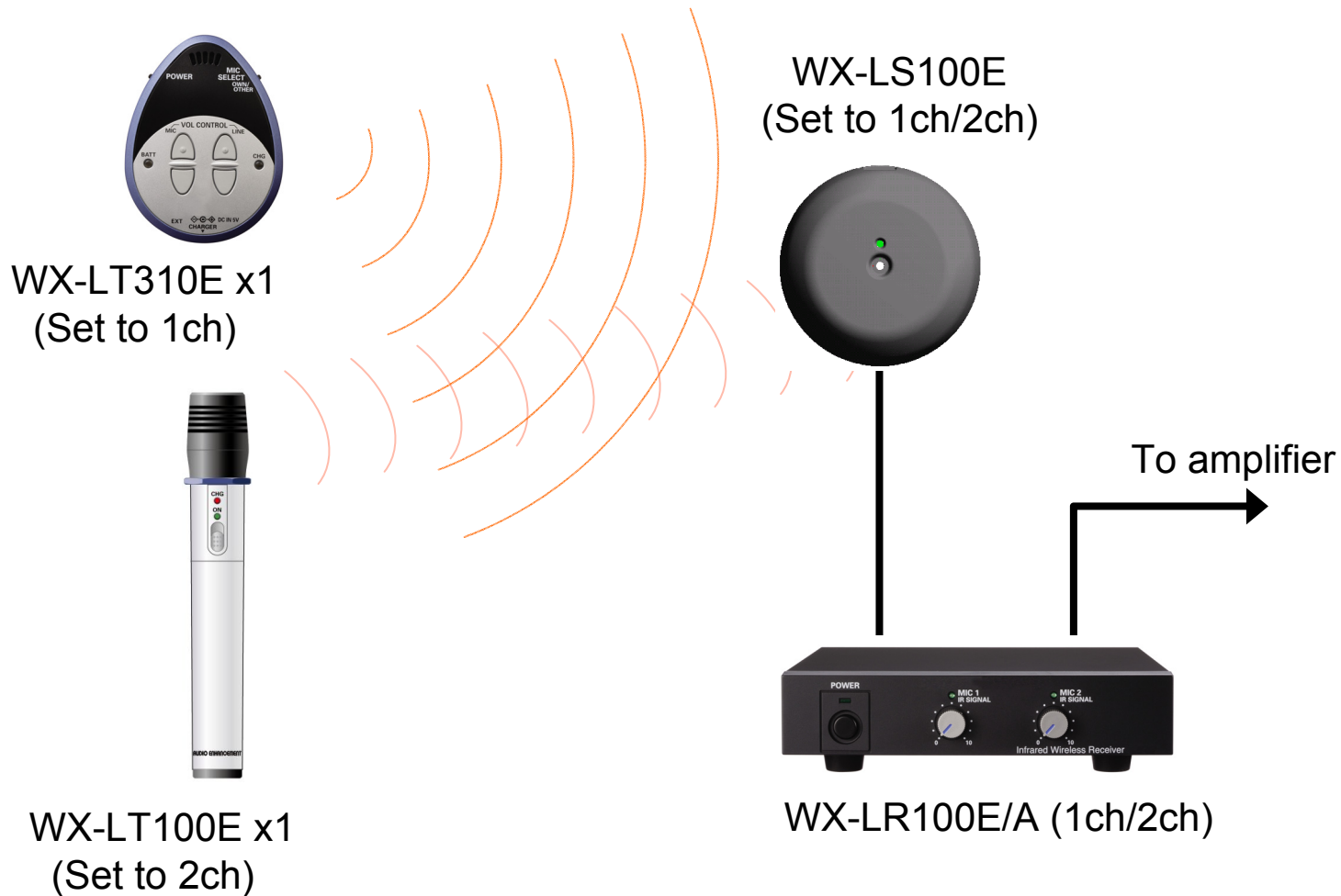




# Infrared Wireless Microphone System Examples

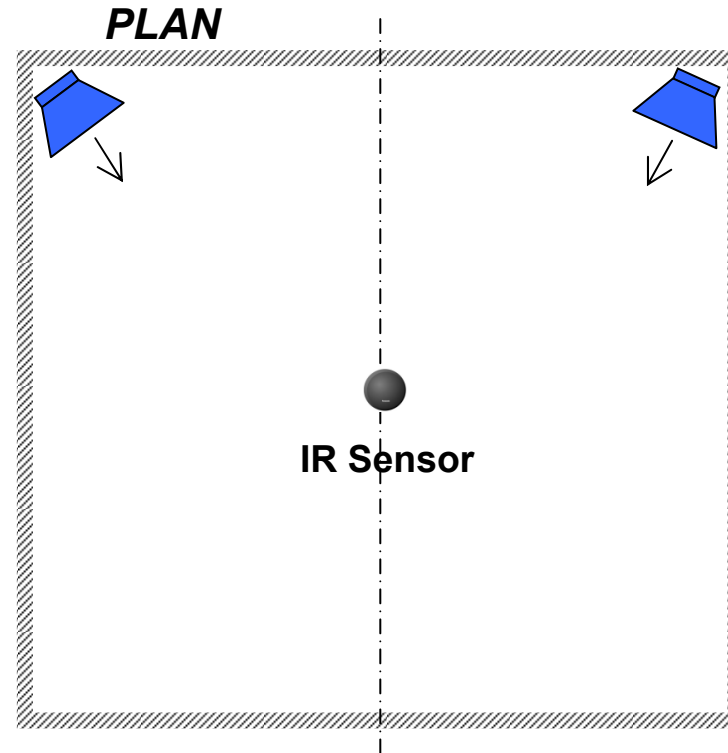
# System Example (1)

## Two(2)-Microphone / Small Scale

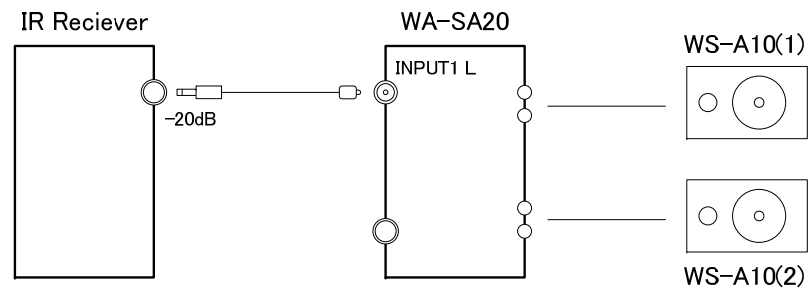


# Installation Example: Small Scale

W)8m x D)8m x H)3m

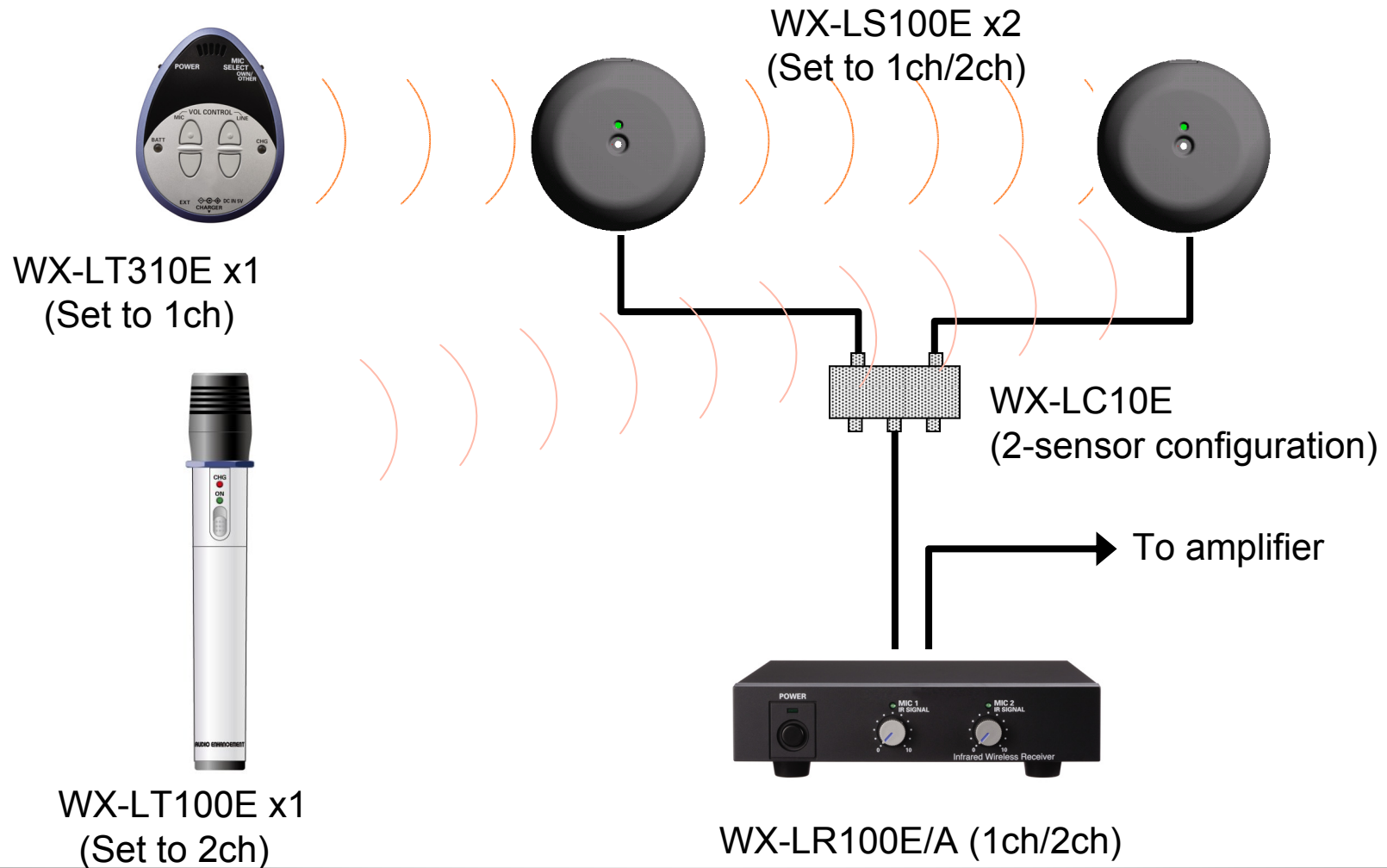


*System Block*



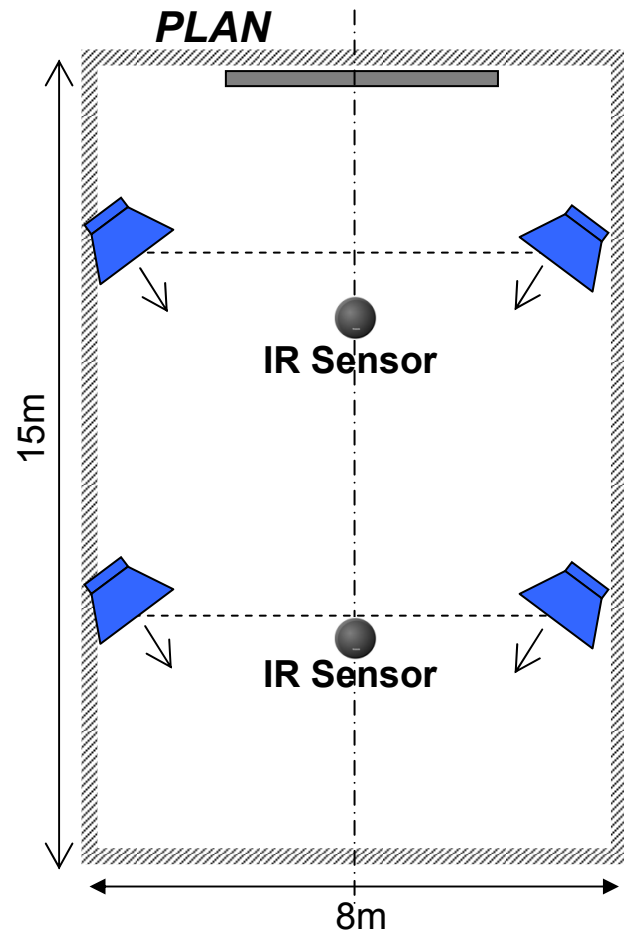
# System Example (2)

## Two(2)-Microphone / Medium Scale



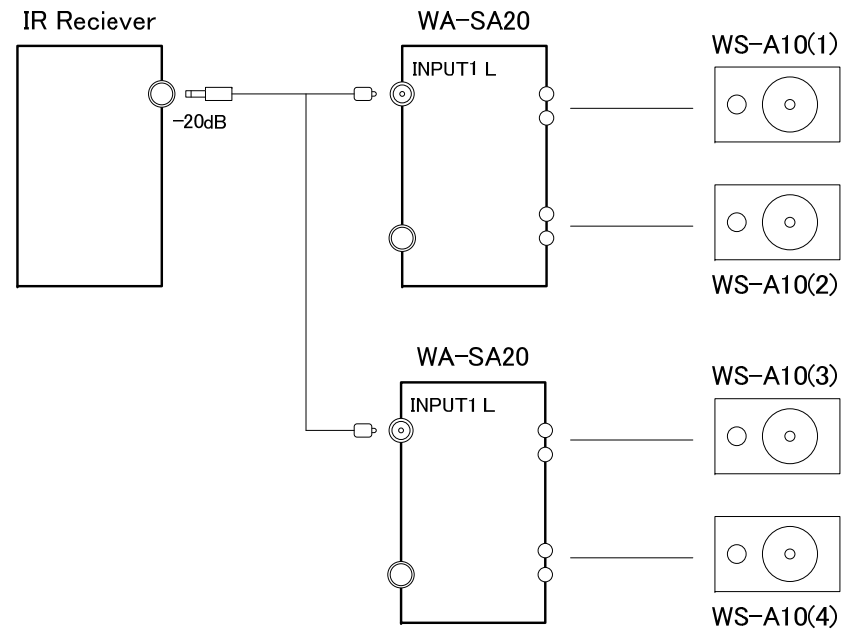
# Installation Example: Medium Scale

W)8m x D)15m x H)3m



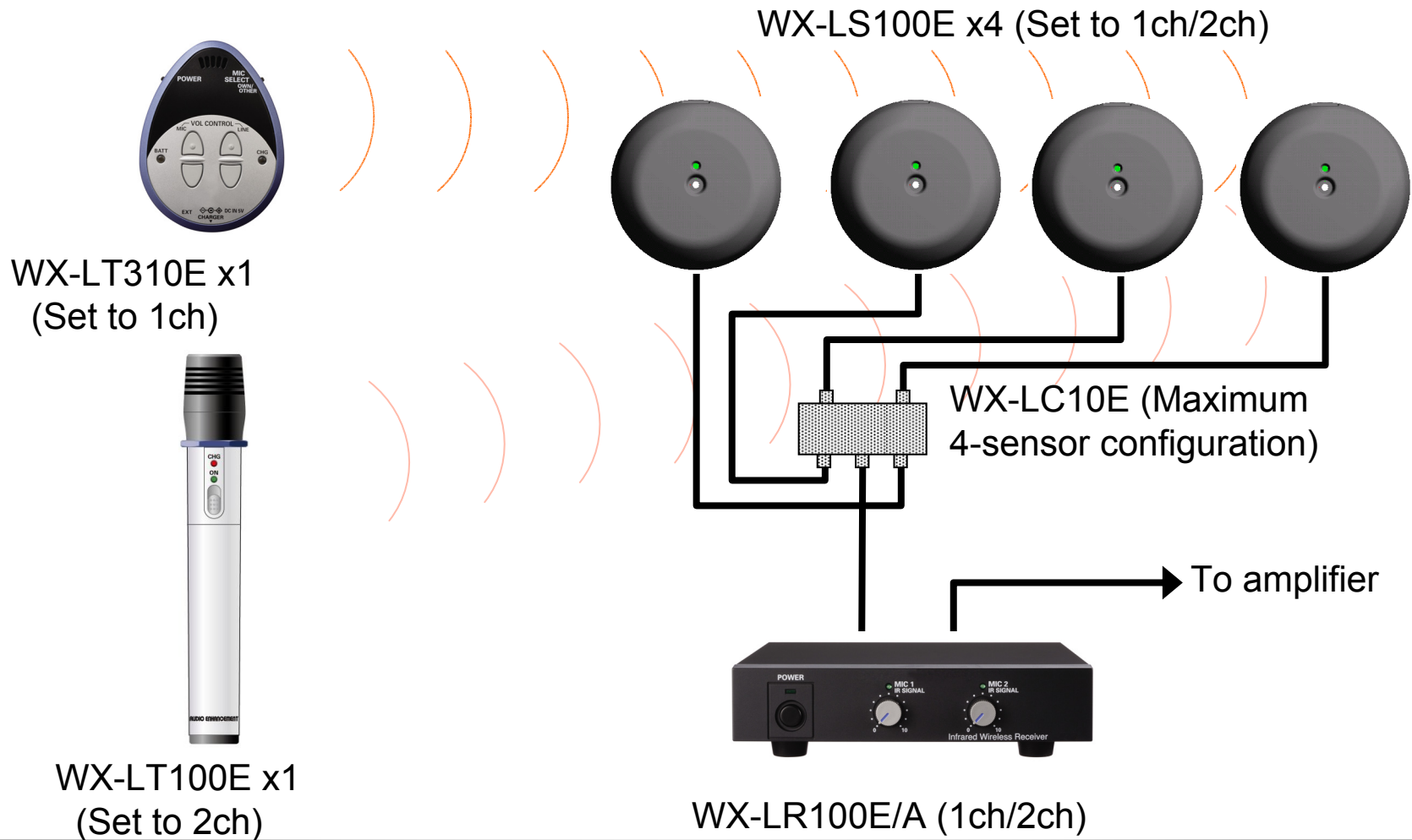
All the value is APPROX.

## System Block

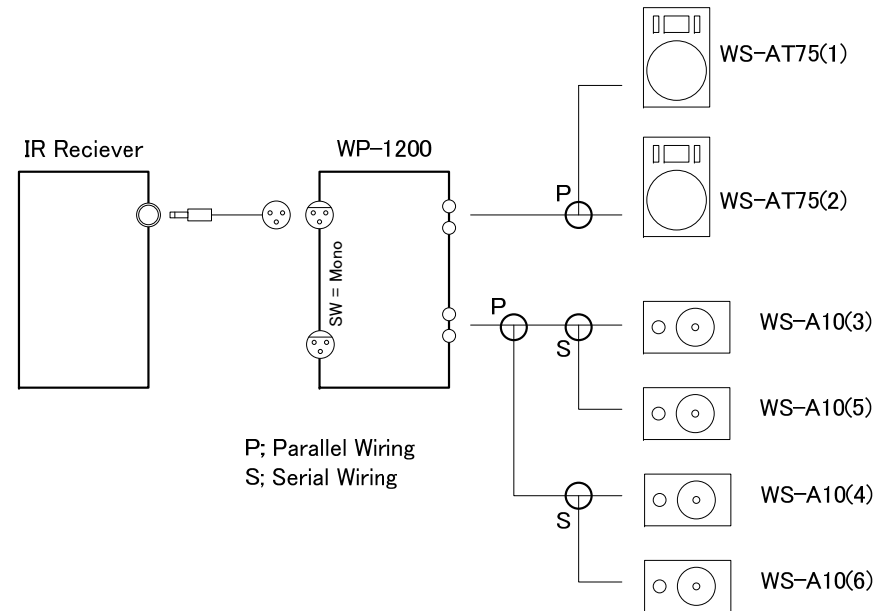
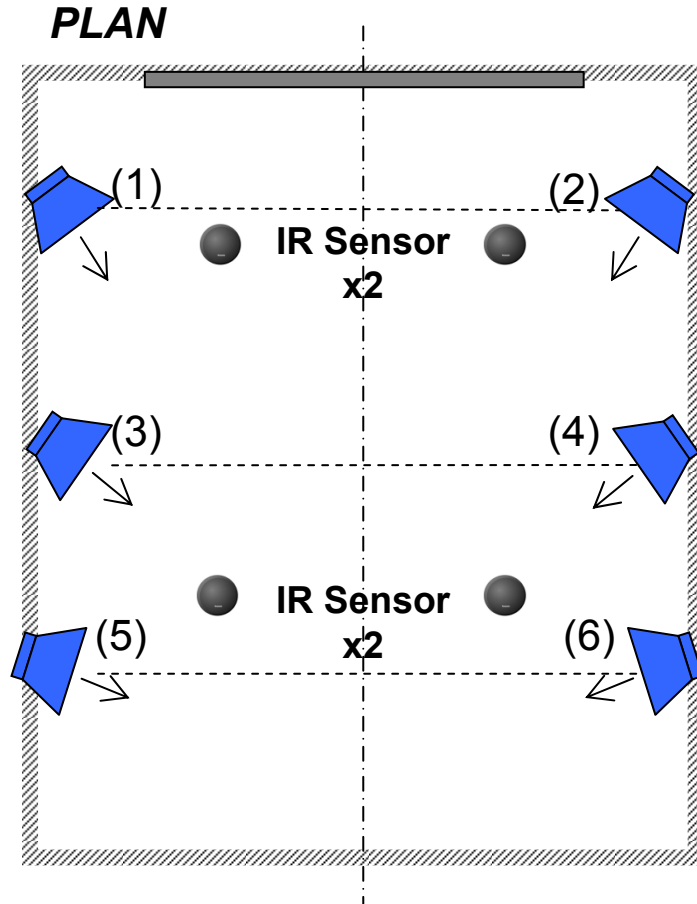


# System Example (3)

## Two(2)-Microphone / Large Scale



# Installation example: Large Scale W)15m x D)25m x H)4m

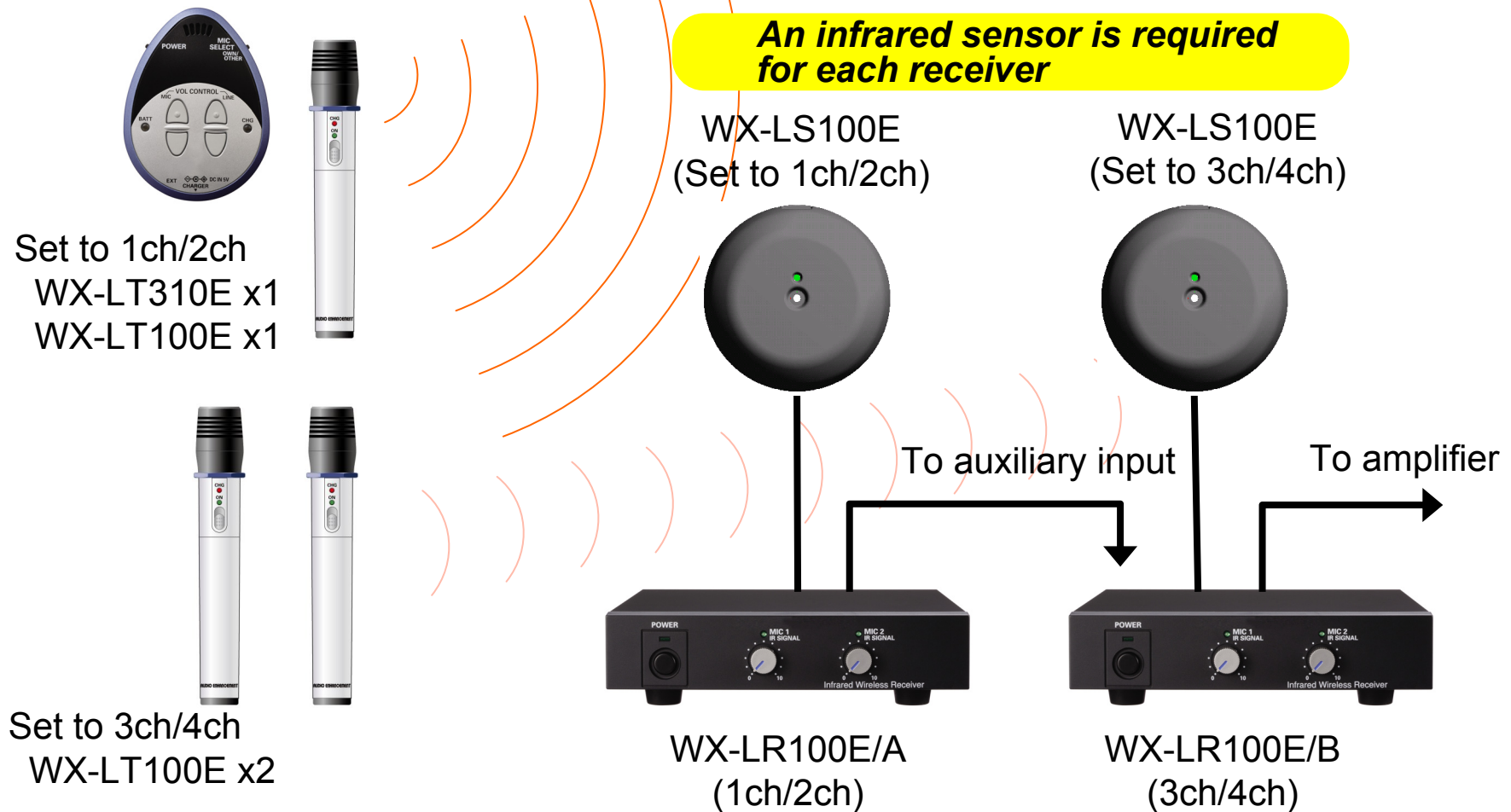


All the value is APPROX.



# System Example (4)

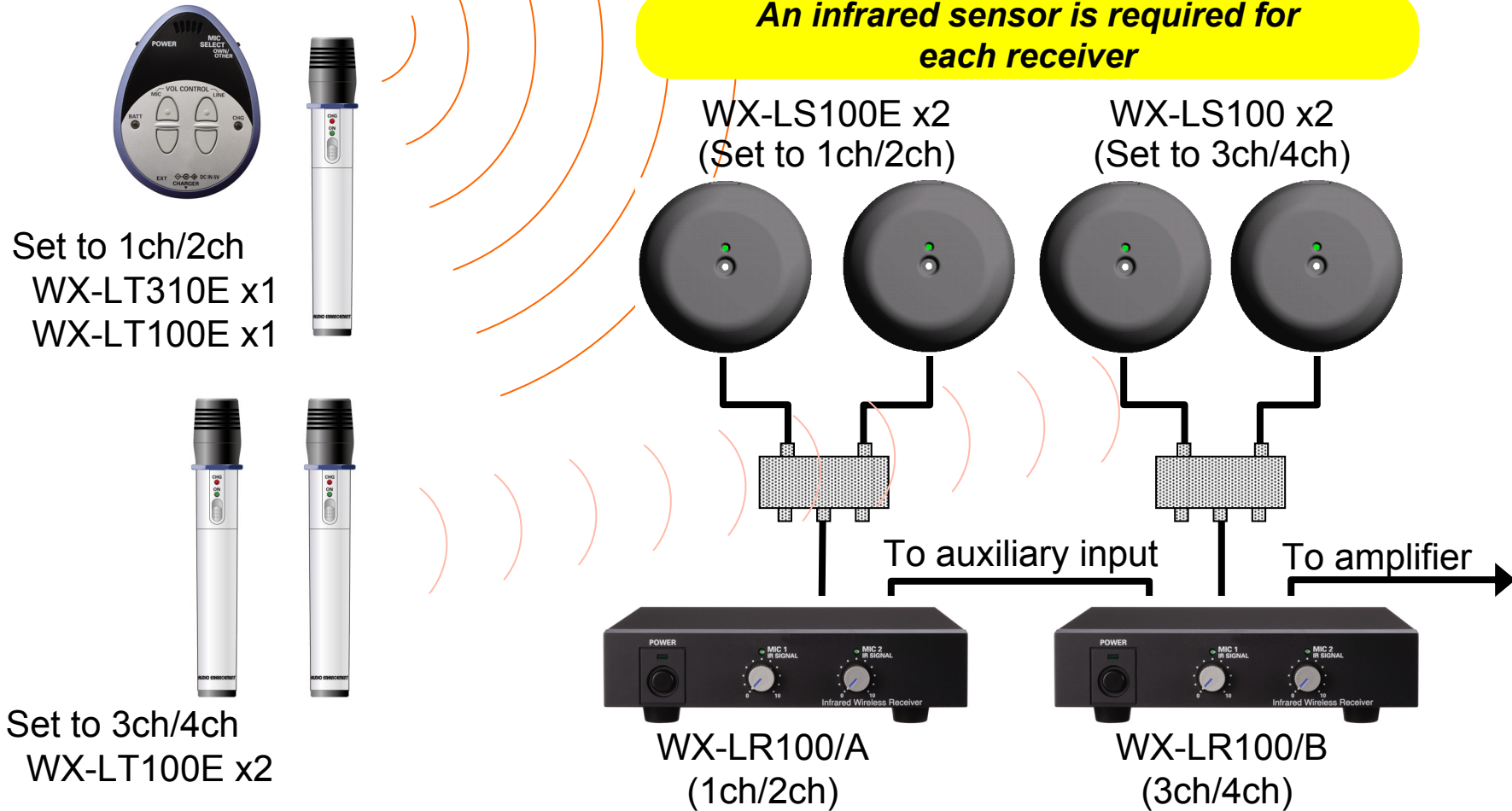
## Four(4)-Microphone / Small Scale



# System Example (5)

## Four(4)-Microphone / Medium Scale

**An infrared sensor is required for each receiver**



# For Best Results

Subject	Remarks
Operation Range	Small to Medium Scale
Application	Classroom/ Meeting room *Indoor use only
Maximum Microphones per System	Up to Four(4) Microphones
Operation time	Approx, 6 hours operation
Sound quality	Excellent for speech use



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