Configuration:

LA-490-BK-W9 – Worldwide Use

Product Overview:

The LA-490 Bluetooth/IR Beacons are compact, wall-mounted devices that enhance venue experiences using ListenWIFI. These beacons transmit Bluetooth(r) and/or Infrared signals, enabling mobile apps and receivers to pinpoint user locations. This functionality automates the delivery of the appropriate audio channel directly to listeners, eliminating manual selection or QR code scanning. Perfect for multilingual settings, the beacons ensure seamless audio distribution in the user's preferred language, making them essential for venues with multiple audio channels.

Highlights:

- Fully automates the user's experience
- Enables automatic channel selection on user devices
- Supports both ListenWIFI mobile apps and **LWR-1050** Wi-Fi Audio Receivers
- Small size and light weight
- Bluetooth and IR triggering in one device
- Adjustable power and interval
- Battery or USB powered
- Easily mount on a wall or attach to an electrical box
- Simple to program and install using ListenWIFI Manager software (Windows®)
- Secure and tamper proof

Includes:
One (1) LA-490 Bluetooth/IR Beacon Two (2) AA Alkaline Batteries One (1) USB Power Supply One (1) Mounting Hardware One (1) Oversized Wall Plate One (1) Quick Start Guide

Product Specification: LA-490 Listen Bluetooth/IR Beacon (COMING SOON)	
Physical	
Dimensions (H x W x D) with Mounting Plate	11.7 x 7.6 x 2.5 cm (4.6 x 3.0 W x 1.0 in.)
Unit Dimensions (H x W x D)	11.4 x 7.1 x 2.3 cm (4.5 x 2.8 W x 0.9 in.)
Unit Weight with batteries	143 g (5.0 oz.)
Unit Weight	76 g (2.7 oz.)
Shipping Weight	430 g (15.2 oz.)
Enclosure/Mounting Materials	PC plastic (IR transparent)
LED	Multi-colored, multi-function
Color	Dark Grey, chrome logo

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USB Connection	USB-Micro for power and programming
Mounting Hardware	Mounts to wall or single gang electrical box (US and European), tamper proof hex screw
Oversized Wall Plate	Fits standard US and European single gang electrical box
Battery Door	Removable for battery replacement
Communications	
Bluetooth (BT)	5.0, Bluetooth Low Energy (BLE), for programming and audio triggering
Infrared (IR)	Infrared light used for audio triggering
Protocols	iBeacon, SyncLink
USB	2.0
Security	PIN-protected for tamper-proof operation, restricted to authorized software only (OTA).
Range	
Bluetooth (BT)	Low = 3 meters (10 ft.), Medium = 9 meters (30 ft.), High = 33 meters (110 ft.), line of sight. *
Infrared (IR)	Low = 3 meters (10 ft.), Medium = 9 meters (30 ft.), High = 33 meters (110 ft.), line of sight.*
	*Beacon must be USB powered for High Power in IR mode. The range of the beacon will be dependent upon environmental conditions and listening device sensitivity, especially with Bluetooth (BT). It is essential to tailor your design approach based on specific requirements and environmental conditions. Multiple beacons can be used to extend the range or footprint of the beacon signals.
Controls	
User Controls	Bluetooth triggering, Bluetooth power, Infrared triggering, Infrared power, transmit interval, LED indicators, low battery LED, OTA configuration, trigger ID, UUID, firmware updates, reset to defaults
Setup/Programming	Programming via USB connection or Blueooth OTA connection with ListenWIFI Manager software. The ListenWIFI Manager provides central management of the entire ListenWiFI system, including Beacons.
Indicators	
LED	Blue flash every 5 seconds indicates normal operation (can be disabled); Red flashing every 5 seconds indicates low battery (can be disabled); Green flash every second indicates active Bluetooth OTA connection with ListenWIFI Manager software; Alternating Amber/Red indicates beacon is performing a firmware upgrade
Power & Battery	
Power Supply	USB-Micro - 5V, 500mA
Battery Type	Alkaline batteries, non-rechargeable, field replaceable
Battery Size	AA
Battery Life	To be published*
	*Dependent upon device configuration and batteries. Recommend powering via USB for Infrared mode.
Environmental	
Temperature - Operation	-10 ºC (14 ºF) to +40 ºC (104 ºF)
Temperature - Storage	-20 ºC (-4 ºF) to +50 ºC (122 ºF)

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Relative Humidity	0 to 95% relative humidity, non condensing
Compliance	
Regulatory Marks	FCC, CE, ROHS, UKCA
Warranty	
Beacon Warranty	1 year
*Specifications are subject to change without notice	