



59-GW1100-ETHUK

Each Gateway is the primary processing hub of the Audacy® Wireless Controls system, providing 24/7 back-and-forth communication between your Audacy Interface and on-site lighting environments.

How It Works

Hardwired and mounted to any wall, the Gateway wirelessly relays scheduled and real time lighting inputs – as established via your Audacy Interface – to any light fixture equipped with an Audacy Luminaire Controller.

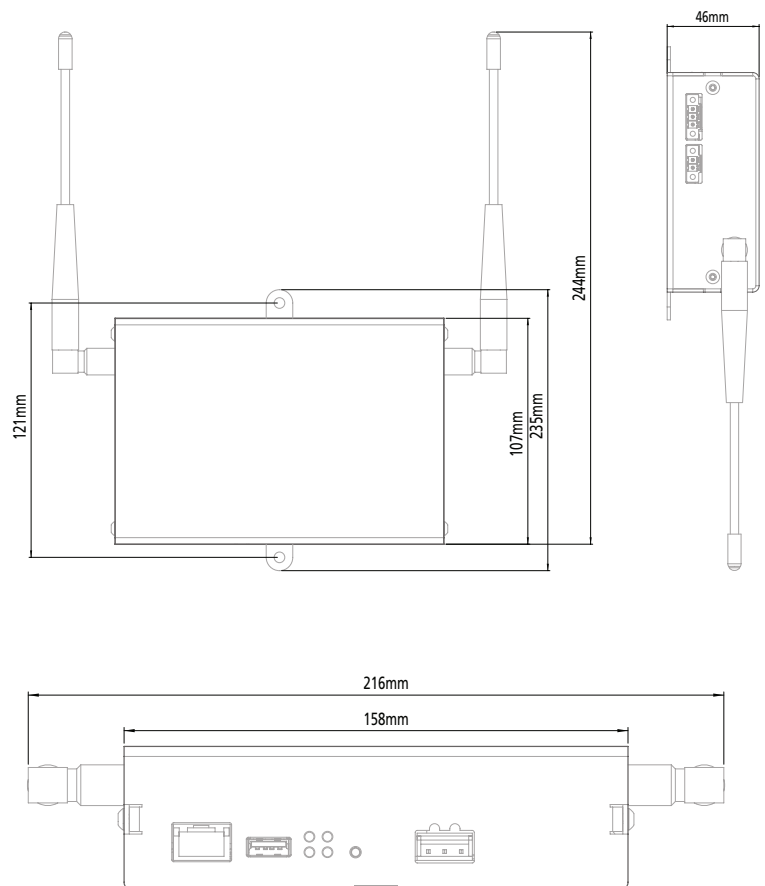
As You Command

In this way, the Gateway communicates with up to 250 system-enabled fixtures to ensure selected lights turn on, turn off or dim where and when you desire.

Know More, Spend Less

Likewise, each Gateway device wirelessly receives and prioritises inputs from onsite sensors, switches and mobile interfaces. Information such as sensor data, fixture status, user overrides and energy usage is then relayed back to your Audacy Interface where it is available for your periodic review.

The Audacy Gateway allows you to easily understand, via the online Interface, evolving light usage patterns. From there, it's easy to adjust and maximise your system and your energy efficiency over time.



The 59-GW1100-ETHUK Wireless Gateway by CMD Ltd is an electronic communications device which acts as the central processing “hub” of the Audacity system. The 59-GW1100-ETHUK wirelessly receives and prioritises inputs from sensors, switches and/or the Audacity Interface (e.g., website or app). It then communicates wirelessly with each Luminaire Controller to turn on, turn off or dim light fixtures. The 59-GW1100-ETHUK can also pass information such as light fixture status, sensor data, and energy usage to the Audacity Interface.

Specification

Item	Description
Radio Frequency Range	915.9 - 917.3 MHz, Dual External Antennas
Wireless Protocol	Proprietary based on IEEE 802.15.4
Encryption	Proprietary based on AES encryption
Regulatory Approvals	ETSI EN 300 220-2 v3.1.1* and ETSI EN 300 220-1 v3.1.1*; EN 55015:2013+A1:2015, EN 61547:2009 and ETSI EN 301 489-3 v2.1.0* (ETSI EN 301 489-1 v2.1.1) - (See Annex A for further details)
Rated RF Power Output (W)	<11 dBm short duration, utilising both frequency hopping and direct sequence spread spectrum
Transmit Range	91.4m indoors to an Audacity Luminaire Controller in a typical commercial building; extended range when repeater mode enabled
Repeater Mode	Enabled via Audacity Interface or Gateway
Input Voltage	24V AC/DC, removable terminal block
Configuration/Network Port	Ethernet
Operating Temperature	10°C to 32°C
Storage Temperature	-20°C to 50°C
Installation Environment	Indoor use only
Mounting	2 mounting holes—vertical (wall-mount) or horizontal
Colour	Black
Dimensions	215.9mm x 134.6mm x 45.7mm, excluding antennas
Weight	459g
Warranty	5 year
LVD Compliance	BS EN 60950-1 / IEC 60950-1
EMC Compliance	BS EN 55015, BS EN 61547 & ETSI EN 301 489-3 V2.1.0 (ETSI EN 301 489-1 V2.1.1)
Radio Compliance	ETSI EN 300 220-2 v3.1.1* and ETSI EN 300 220-1 v3.1.1

Code	Description
59-GW1100-ETHUK	Standalone (i.e., no BAS)