



The AUD001 Wireless Gateway by CMD Ltd is an electronic communications device which acts as the central processing “hub” of the Audacy® system. The AUD001 wirelessly receives and prioritises inputs from sensors, switches and/or the Audacy Interface (e.g., website or app). It then communicates wirelessly with each Luminaire Controller to turn on, turn off or dim light fixtures. The AUD001 can also pass information such as light fixture status, sensor data, and energy usage to the Audacy Interface.



## SPECIFICATIONS

| 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 Audacy Luminaire Controller in a typical commercial building; extended range when repeater mode enabled                                                                |
| Repeater Mode              | Enabled via Audacy 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        | AUD001                    |
| Description | Standalone (i.e., no BAS) |

## MECHANICAL DIMENSIONS (MM)

