



## Data Sheet

### Overview

The KLABXBG2 is a compact powerful wall mount amplifier fits into a standard UK two gang pattress.

It is available in 3 versions:

**KLABXBG2** - Bluetooth only

**KLABXBG2F** - Bluetooth plus front line (aux) input

**KLABXBG2J** - Bluetooth plus rear line (aux) input

It is designed for easy fuss-free operation with no switches or remote controls required. To use it simply connect via Bluetooth and control the volume with your bluetooth device. When you disconnect or stop streaming the amplifier automatically reverts to a very low power standby mode. Whenever you connect again it instantly wakes up to deliver clear powerful audio.

This amplifier features K2Audio-simple-audio-setup or KSAS for short. This allows custom elements such as Bluetooth ID, Gain and EQ to be modified without the need for a programming cable.

### Features:

- Easily connect up to four speakers with two speaker connections per channel, 4 or 8ohm
- Mono mode for single speaker installs
- Up to 22W RMS per channel
- Fully Automatic fit and forget design
- Ultra low current draw in standby
- A2DP Codecs: APTX, APTX-HD, APT-X Low Latency, SBC and AAC.
- Detachable speaker connectors for easy install.
- Split-layer PCB design for excellent Bluetooth range
- Web page config can be disabled at time of install to prevent unauthorised alterations
- Touch front panel to mute, touch again to resume. Optionally disable touch mute by web page config.
- Voltage pin mute for integration with Alarm and PA systems.
- Flush mount or surface mount (25mm depth, or 35mm for dry-lining)

### Specifications:

- Power output (15v supply): 22W RMS per channel into 4ohms
- Total Harmonic Distortion + Noise: 0.15%
- (4ohm load, 1KHz, 8W power)
- Bandwidth: 20Hz to 22KHz Passive limitation built in
- Power Supply: 10V to 18V (absolute max 18V DC) minimum current 3.0A. Connection via a 2.1mm DC connector centre positive, auto mute on under voltage.
- Fuse: self resetting 3A built in – to clear remove power for at least 20 seconds, clear fault and reconnect
- Amplifier topology: full bridge mode all speaker connections are live ( no common ground connection)
- Recommended minimum speaker impedance: 4 ohms per channel
- Absolute minimum speaker impedance: 3 ohms per channel
- SNR: 98dB
- Voltage gain: 33dB
- Input required to produce full output: approx 775mV
- Power output (12v supply): 15W RMS per channel into 4ohms

### Mounting

The 25mm depth will allow installation into standard UK 2-gang boxes, which may be galvanised metal for installation in solid walls, or plastic drylining (with lugs) or surface mount box or trunking system.

### Environment

The KLABXBG2 is not IP rated for use in damp environments but if due care is given to positioning of the amplifier and supply then it can safely be used in zone 3 installations. Please use a qualified electrician operating to current regulations if you intend to install this unit in a bathroom.