SOUNDMASK GQ
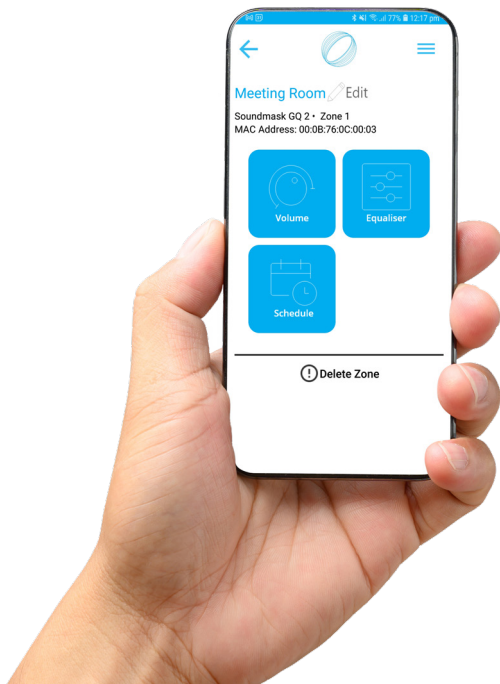## The future of sound masking

SOUNDMASK **GQ**

SM-GQ-2

Update Reset Pair Fault System

SOUNDMASK GQ OVERVIEW

The Soundmask GQ is a random digital sound generator, 32 band digital EQ, multizone distributor and amplifer, that maximizes energy efficiency and minimizes cost and rack space.

The Soundmask GQ integrates seamlessly with existing Soundmask transducers and installations. It features Bluetooth® audio configuration and individual channel level control for each channel via the App.

Being digital, the Soundmask GQ is extremely efficient and delivers uncoloured signal direct to the transducer. Scheduling funtionality includes a timer and ramp for ease of use.

Each Soundmask GQ features stereo banana jack outputs which connect to the Soundmask transducers. These transducers then daisy chain in rows of up to 100 transducers per channel.

The Soundmask GQ8 replaces the existing SM-GR-3100, SM-EQ-2000, SM-DX-4800 and SM-DA-8000 combination, freeing up 3U rack space for each system and reducing energy consumption and costs.

SOUNDMASK GQ MODELS

The Soundmask GQ comes in three models: two zones (SM-GQ-2), four zones (SM-GQ-4) and eight zones (SM-GQ-8). Each model is controlled using the same downloadable App.

The SM-GQ-2 is capable of servicing up to 200 transducers (100 per channel), and each channel is its own zone, allowing 2 individual zones per unit.

PRESETS

The Soundmask App features three presets, designed in Melbourne by acoustic consultants, that cover most soundmasking applications. The presets were tuned using the standard SM-T-1200 in ceiling transducer with a standard height pop-in tile ceiling.
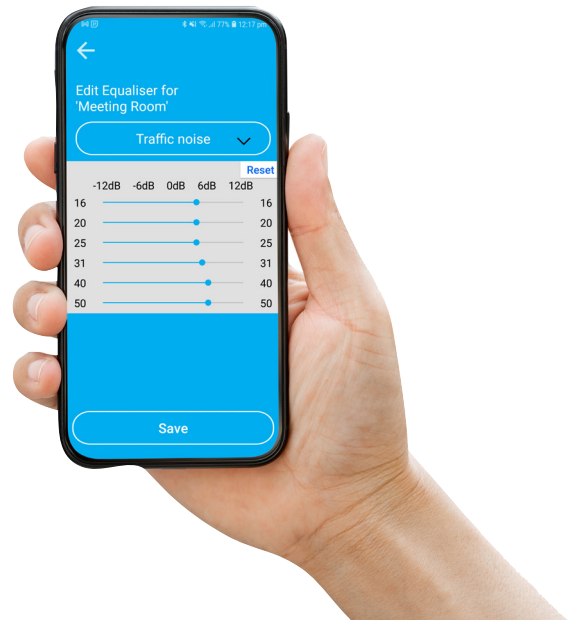
Speech privacy

The speech privacy preset can be used where speech privacy is necessary. For example, in meeting rooms, boardrooms, doctors suites, and other professional offices, where private speech is required. The sound is tuned to target human speech frequencies in spaces where some physical barrier is already present, but sound transferrence still occurs.

Traffic noise

The traffic noise preset has more "bottom end" than the speech privacy preset to target lower frequencies from motor vehicles. This preset can be used where there is distracting noise from traffic, or other lower frequency noise pollution.

The SM-GQ-4 and SM-GQ-8 are capable of servicing up to 400 and 800 transducers respectively via their 4 and 8 zones, respectively. Each zone has its own volume control, equalizer and scheduling.

Call center

The call center preset can be used in most spaces, especially open plan offices. This signature shape provides a comfortable ambient background sound that masks speech and distracting noise in open spaces, including call centres, open plan spaces, and public areas.
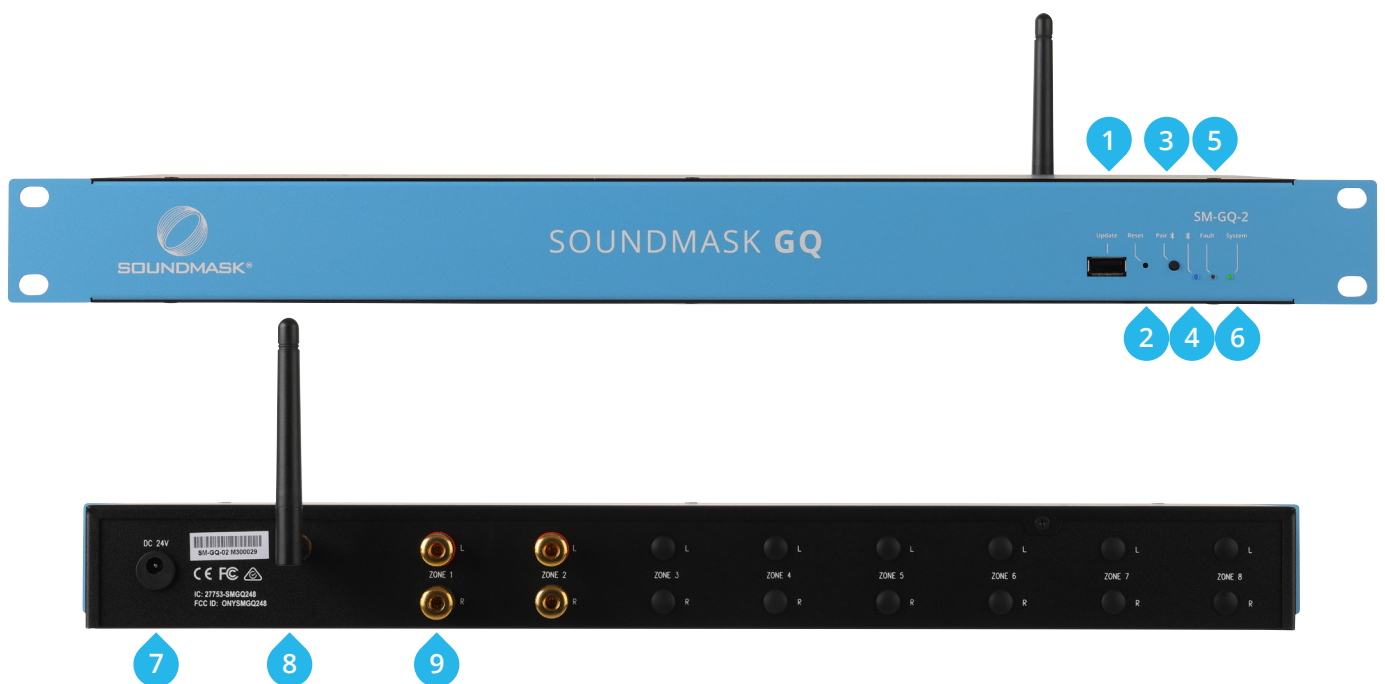
Custom design

Acoustic consultants who wish to design their own sound, or use their own preferred sound shape, can use the App to do so. The starting point can be our default sound, or any one of the presets, which can be adjusted and saved.

SOUNDMASK GQ USER INTERFACE

The user interface is controlled via the Soundmask Installer App. Authorised Installers are provided with a unique Installer ID, which is used to operate the App and the Soundmask GQ.

The set-up is easy. Just turn on the Soundmask GQ, open up the App on your phone or tablet, pair the Soundmask GQ via Bluetooth connection, then follow the steps on the App to set up the zones.

FRONT PANEL

1. **USB input** - Update firmware via USB drive.

2. **Reset** - Reset unit to factory settings.

3. **Pair Bluetooth button -** Press and hold for 20 sec to pair Bluetooth.

4. **Bluetooth indicator -** Blue LED light flashes while pairing; constant blue light when paired.

5. **Fault** - Red LED light indicates fault.

6. **System Power** - Green LED light indicates unit is operating.

REAR PANEL

7. **Main Power** - Connects to a standard IEC socket. A compatible power cord is supplied with the unit.

8. **Bluetooth antenna** - Allows pairing to the App. Difficulty pairing may indicate that the antenna is not correctly connected.

9. **Audio outputs** - Each black and red pair connects to one daisy chain of up to 100 Soundmask transducers. Always connect black to black and red to red.

SOUNDMASK GQ SPECIFICATIONS

Models	SM-GQ-2, SM-GQ-4, SM-GQ-8
Inclusions	› **Bluetooth®** audio configuration & control via App › Volume control › Multiple audio pre-sets › Onboard 32 band Equaliser › Firmware updates from pen driver › Zone control using the App › LED status indication with integrated (eg, push-button) pairing on front of unit › USB for pen driver › Extra-low voltage
Amplifier (per channel)	› PWM oscillator is up to 2.88MHz › 50W RMS into 6ohms with Vcc 24V › 50W RMS into 8ohms with Vcc 28V › 24-28V Vcc Supply Voltage Operation › Full Bridge (BTL) output Amplifier › Integrated Short Circuit Protection › Integrated Thermal shutdown › Start Up De-pop Circuit › Efficiency up to 90% › Frequency response 20Hz-20kHz
LED status indications	› System Operating › Bluetooth pairing progress › Bluetooth paired connection › Fault indication
App features	› Android operation (iOS capability in future) › Bluetooth pairing › ID protected › Zone configuration › Equaliser adjustment (including presets) › Scheduling (ramp and timer) functionality › Volume control › Send log of input via email
Size	483 x 200 x 44 mm (without antenna), 1960g
Compliance	IC CE FC ⬗
Power supply	External power supply with standard IEC socket and compatible plug for each country.
Safety information	Mount unit in locations that provide unobstructed air movement to minimise the risk of overheating.

SOUNDMASK®

www.soundmask.com.au

1300 734 168 (within Australia)

megan@soundmask.com.au

Soundmask Global Pty Ltd
PO Box 4068
Balwyn VIC 3103
AUSTRALIA