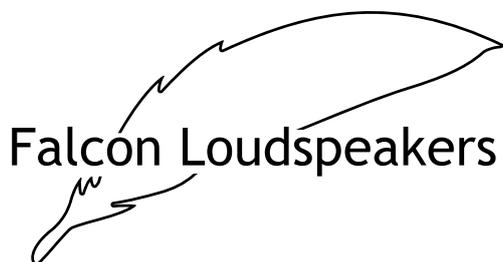


# FOR IMMEDIATE RELEASE

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## FALCON ACOUSTICS LAUNCHES FLAGSHIP SPEAKER

**Advanced new 3-way floor-stander features Graphene bass drivers, 2" horn-loaded midrange and a ribbon tweeter encased in a beautiful Italian cabinet...**



**Karma-AV is delighted to announce the introduction of the Falcon GC6500R Reference speaker, a flagship design from a celebrated name in UK speaker and drive-unit development. It incorporates a number of proprietary technical advances including the breakthrough Falcon Sonaweave™ Graphene Enhanced Nano-Platelet Cone deployed in the bass driver design. The use of Graphene allows the diaphragm to be 60% lighter and thinner than those of conventional drivers, with significantly improved rigidity, improved damping and a natural, well-controlled roll-off.**

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**Commenting Falcon's Jerry Bloomfield said, "Falcon's involvement in cone material development goes back decades, and it was clear to us that the incorporation of Graphene into loudspeaker cone material could give major improvements in driver response times, enabling the use of significantly lighter cones with greater rigidity and inherently better damping."**

Extensive computer modelling led Falcon to choose an inverse Hypocycloid profile for the waveguide used by the GC6500R's 2" dome horn-loaded midrange driver, which has been re-engineered in-house to give a significantly smoother response whilst reducing the already low distortion by a further 40%.

Integrated with Falcon's precision-engineered front plate, the ribbon tweeter has been modified by Falcon to give an outstandingly smooth response.

The GC6500's robust crossover network is mounted on a rigid 3.2mm Laminated FR4 PCB with gold-plated double-side 2oz. copper tracking, and features precision-wound close tolerance Air Core Inductors, and Polypropylene Capacitors. All internal wiring is of 2.5mm TPE Insulation wire for optimum signal transfer.

The speaker's elegant cabinet is hand-made in Italy using laminated 25mm MDF with an extra 9mm of damping throughout. The 38mm Alcantara® covered baffle is computer profiled for minimal diffraction while the 18mm reinforced rear panel features Falcon-profiled heatsinks within a precision tooled back plate. Finishes available include a choice of Walnut and Mahogany real wood veneers and, at a premium, exotic wood veneers or any customer-specified high gloss RAL colour. The GC6500's smoked glass top is complemented by metal work made from precision-ground MIC6 Aluminium Cast Tool Plate.

**Commenting on the launch Jerry Broomfield said "With the GC6500 we wanted to show that a small British company can also make a big technological statement in speaker development. We commend the innovation and no-compromise design engineering represented by our Reference model to fellow enthusiasts in the cause of sonic balance and greater transparency in music reproduction".**

**Falcon's GC6500R Reference speaker will have its world debut at the Rocky Mountain Audio Fest. Denver, Colorado, October 5-7 and at the Hi Fi Show, Beaumont Estate Conference Centre, Old Windsor 10-11 November.**



## SPECIFICATIONS

### 3-way vented system

#### Drivers

- 2 no. Falcon Acoustics hand-moulded 180mm (7") Sonaweave™ Graphene Enhanced Nano-Platelet Composite Cone bass units.
- Inverse Hypocycloid Wave Guide Loaded 50mm (2") Dome Midrange.
- Custom Ribbon Tweeter with precision plate loading.

#### Cabinet

- Italian hand manufactured cabinet with laminated tooled 25mm sides with additional 9mm damping. 38mm Alcantara® covered front board, computer profiled for minimal diffraction. 18mm reinforced rear panel, Falcon profiled heatsinks, precision-tooled back plate.
- Choice of custom high gloss RAL colours and natural wood banded veneers; smoked glass top.

#### Crossover

- 3.2mm Laminated FR4 PCB, gold plated double side 2oz. copper tracking. Precision wound close tolerance Air Core Inductors. Polypropylene Capacitors throughout. 2.5mm TPE Insulation internal wiring.

<b>Frequency response:</b>	20Hz-40kHz +/-3dB
<b>Impedance:</b>	4 ohms
<b>Sensitivity:</b>	91dB/2.83V/m
<b>Power handling:</b>	25-300W
<b>Connector:</b>	4mm Custom-Designed nickel-plated binding posts
<b>Dimensions (HxWxD):</b>	120 x 25.5 x 40cm
<b>Weight:</b>	62kg each including plinth



**Availability: October 2018**

**Typical retail prices (inc VAT) pairs:**

<b>Walnut and Mahogany real wood veneers:</b>	<b>£18,995.00</b>
<b>Exotic real wood veneers:</b>	<b>£19,495.00</b>
<b>Custom RAL colours:</b>	<b>£20,100.00</b>

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