

KINGDOM
ROYAL

Advance Information



Kingdom Royal by Tannoy: A statement in engineering excellence, hand crafted to exacting standards, setting a new reference for musical performance.

Set to launch in mid-2010, Kingdom Royal distils 80 years of Tannoy expertise into a new flagship loudspeaker of unrivalled accuracy, musical coherence and dynamic range. Four years of extensive research, cutting edge technologies, new processes, and extensive design detailing have resulted in the most revealing and musically articulate loudspeaker Tannoy has ever built.

Frequency response: 24 Hz – 54 kHz (-6 dB)

Sensitivity: 96 dB (2.83 V @ 1 m)

Impedance: 8 Ohms

Power handling: 300 Watts RMS, 1200 W peak

Dimensions (H x W x D): 1275 x 585 x 600 mm (50.2 x 23.0 x 23.6")

Weight: 120 kg (265 lbs)

Kingdom Royal is a true no compromise loudspeaker design using the finest quality materials inside and out. From the high gloss wood veneer and Italian leather trim to the all-new Dual Concentric™ driver with its cryogenically treated 3 inch HF dome and compression motor, every component represents the pinnacle of materials technology and acoustic engineering. The result is unsurpassed acoustic performance, ultra-low colouration, high efficiency and musical integrity unmatched by any other loudspeaker on the market today.

Driver configuration

- 1 inch ceramic coated magnesium SuperTweeter™ with plasma bonded coil and neodymium motor.
- All new 12 inch Dual Concentric™ features rigid chassis with 10-point bonding; multi-fibre mid / bass cone, edge wound coil, ferrite motor; 3 inch cryogenically treated aluminium alloy dome mid / tweeter with massive 1.4kg ferrite magnet.
- 15 inch sub-bass driver in structural cast alloy chassis, multi-fibre paper pulp cone, with 3 inch edgewound copper under-hung voice coil, for high linearity. Port tuned at 15Hz

Crossover

- Fully cryogenically treated crossover to relieve component and conductor stresses at crystal structure level for smoother, natural sound.
- Double layer crossover built on acoustic fibre boards, supported on 3 point vibration damped suspension mounts.
- Low loss laminated core inductors, premium ICW MR ClarityCap capacitors, Tannoy DMT™ damping compound, single strand 99.99% high purity silver wiring for the SuperTweeter™ and custom Acrolink large crystal 99.9999% purity copper for all other wiring. All resistors are premium non inductive thick film types, with extensive heat sinking to eliminate thermal compression.
- Impedance matching autotransformer on Dual Concentric™ tweeter, to maximise control and damping.
- Low-loss switching panel for tweeter and SuperTweeter™ energy level.

Cabinet

- Differential Material (DMT™) acoustic cabinet combining high-density fibre-loaded board and birch ply hardwood sourced from slow growing regions for superior sound and maximum density.
- Ultra-rigid, Dual Concentric™ bass / mid enclosure featuring curved panel construction and acoustic bracing for class leading accuracy and lowest cabinet colouration.
- Separate, precision milled heavyweight fibre-board, sealed SuperTweeter™ enclosure with ultra high frequency damping material filling.
- High gloss wood veneer and paint finish with luxurious Italian leather SuperTweeter™ dispersion panel.

The Kingdom Royal will be available from mid 2010

supplied with a range of accessories including milled aluminium dual-layer tri-point floor couplings, single wire terminal bridging cables in 99.9999% pure OFC copper, spare SuperTweeter grilles, spare HF energy level control pins; all supplied in wooden presentation box.





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