



RAVEN AC

We have taken the exceptional properties of copper, and in conjunction with our special polymer we have developed a compound platter. The musical reproduction benefits from breathtaking soundstaging and stereo depth, the representation of the instrument's gains substance. The whole sound characteristic becomes clearer and more relaxed. Platter drive is via a maintenance-free belt.

The AC version of the Raven has a modified motor control. The armboard is made from bronze as standard. Feet: three, ceramic bead blasted and silk matt black anodised aluminium, designed and built by TW ACUSTIC featuring ball and spring suspension. A significant update is the provision of a new motor control unit. This is even better than its predecessor and is designed to provide support for the three-motor drive option.

We have taken the advantages of our unique drive system to the limit and have developed a three-motor drive for the Raven One and Raven AC. We have achieved perfect synchronicity between all three motors with our new, highly developed motor control system. The extremely precisely machined drive belt, coupled with finely tolerance and matched pulleys give the concept the optimal basis for the precision we demand.

If you were of the opinion that the Raven's drive system was unique, then of course you were right! But the new three-motor drive picks up where our unique single motor drive



leaves off. The Raven or Raven AC is now available as a three-motor version. Of course, any existing Raven One or Raven AC can also be upgraded.

- Three-motor drive for Raven and Raven AC turntables
- Our three motors run absolutely synchronous thanks to a sophisticated motor control
- The diameters of the drive pulleys are accurate to within half a hundredth of a millimetre
- The drive belt thickness is ground to a tolerance of one hundredth of a millimetre

Our new armboards make changing to another tonearm on the Raven AC easier. Where before it was necessary to replace the armboard, now it is simply a matter of exchanging the adapter insert.



Weight:

Chassis 30 kg

Platter: 10 kg

Motor unit: 3 kg

Motor control unit: 2 kg



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Dimensions:

450 mm x 400 mm (W x D)

Motor diameter: 119 mm

Total footprint: 600 mm x 400 mm (W x D)

Chassis construction:

Material: 60 mm TW ACUSTIC's proprietary Delrin-based compound, stainless disk rigidly screwed to chassis.

Feet:

Three, delrin and ball, height adjustable

Platter construction:

Material: 10 mm copper in combination with 60 mm of our special compound let into and screwed together.

Bearing:

Bronze bearing, 16 mm hard metal shaft with ball on top, running on a thrust washer of 'Material S[®] (green)'. This is a special low-pressure PE based material with a very low coefficient of friction and very high wear resistance, giving a long maintenance free life without the need for additional lubrication. Bushing is machined exactly to fit the bearing with zero float, yet remains replaceable.

Motor:

Case made from stainless steel and delrin.

Motor control unit:

controlled by a microcontroller, ready for 3 motor drive

Armboard:

Up to four tonearms may be fitted.