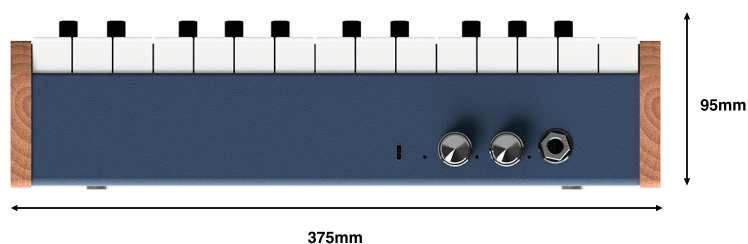


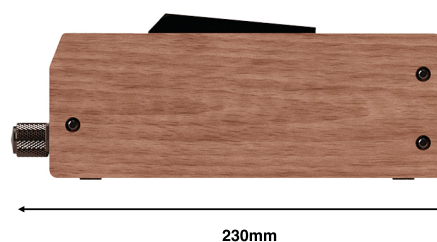


Tentij Instruments - ORB MK1 - Technical Specification



Dimensions

Width: 375mm
Depth: 230mm
Height: 95mm



Weight

3kg / 6.6lb

Battery And Power

Built-in rechargeable
18650 lithium battery
Up to 80 hours of
playtime on a single charge

Controls

Two 17mm aluminium knobs
Tone control, high-pass filter
Volume control knob

Output

1/4 - inch jack output, line level



Tuning / Voicing

25 black M3 screws located at the bottom
can be unscrewed and adjusted to tune each note.

25 white M3 screws can be adjusted
to change the reed pickup location,
altering the sound and voicing.



Key Weight / Hammer Action

The minimum weight for full key dip
is approximately 40 g.

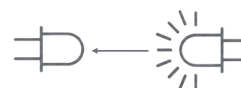
The ORB has a hammer action
with adjustable let-off on each key
allowing for a softer or harder playing style.



Custom-Designed Pickups

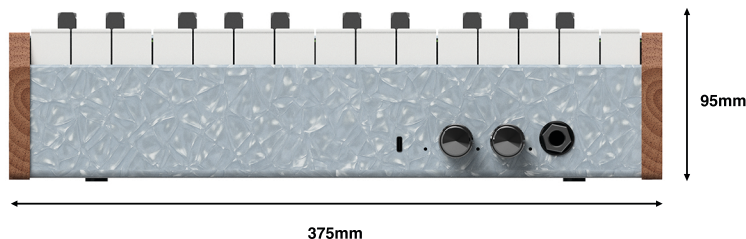
Rather than using conventional magnetic pickups,
the ORB features a custom-designed optical pickup system.
To recreate the distinctive response of the capacitive pickup system
found in classic Wurlitzer electric pianos,
we developed an entirely different approach.

Each reed is captured by an infrared optical system
working in combination with a specially shaped weight at the end of the reed.
This system recreates the distinctive reverse-clipping character associated with classic Wurlitzer electric pianos.



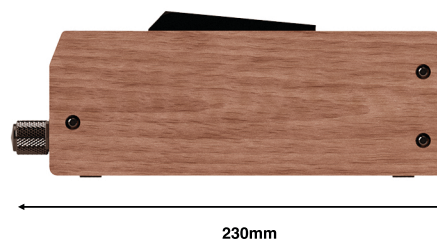


Tentij Instruments - ORB MK1 PRO - Technical Specification



Dimensions

Width: 375mm
Depth: 230mm
Height: 95mm



Weight

3kg / 6.6lb

USAGE

Unlike the Standard ORB MK1, which is primarily used for live performance and as a portable bass instrument, the PRO model is designed with studio recording and production in mind. Its extended frequency range, improved optical pickups, and hand-tuned mechanics make it particularly suited to high-quality music production.

Improved Custom Optical Pickups

The ORB MK1 PRO uses higher-quality optical sensors, each individually aligned by hand to its corresponding reed. During the alignment process, the frequency output of each sensor is checked to ensure optimal performance. This results in higher output volume, a brighter frequency response, deeper and more defined low end, and lower noise.

Hard Cellulose Exterior

Each ORB MK1 PRO is equipped with a hard cellulose pearl exterior. This gives the instrument a beautiful, premium appearance, while making it durable and scratch-resistant.

Battery And Power

Built-in rechargeable
18650 lithium battery
Up to 80 hours of
playtime on a single charge

Controls

Two 17mm aluminium knobs
Tone control, high-pass filter
Volume control knob

Output

1/4 - inch jack output, line level



Tuning / Voicing

Each fret inside the bass is hand picked and adjusted for a smooth tuning experience. 25 black M3 screws located at the bottom can be unscrewed and adjusted to tune each note. 25 white M3 screws can be adjusted to change the reed pickup location, altering the sound and voicing.



Hand-Tuned Hammer Action

The ORB MK1 PRO hammer and action parts are made from a carbon-fiber-filled material. Each part is hand-picked and adjusted to ensure a crisp and smooth action feel. The minimum weight for full key dip is approximately 40 g. The hammer action has adjustable let-off on each key allowing for a softer or harder playing style.

