CADENZA AMERICA

OUTDOOR GRAND PIANO

Technical Data Sheet

STRUCTURAL & ACOUSTIC DESIGN

STRUCTURE

High-performance concrete (HPC) shell. Copyright protected, fully vandal-proof and impact-resistant.

ACOUSTICS

Integrated all-weather amplifier and marine-grade speaker system embedded within the concrete structure.

SUSTAIN PEDAL

Integrated waterproof sustain pedal system.

POWER SYSTEM

Rechargeable integrated battery for independent operation. Powered via permanent grid connection (110V / 220V) or off-grid solar upgrade.

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CONNECTIVITY

NETWORK

Integrated smart cellular eSIM controller provides independent network access. No local Wi-Fi infrastructure required for operations.

CADENZA IOT DASHBOARD

Remote cloud scheduler, volume control, energy management, and automated usage reports.

DIMENSIONS & WEIGHTS

SPECIFICATION	PIANO UNIT	CONCRETE BENCH
Length	185 cm	100 cm
Width	148 cm	45 cm
Height	100.3 cm	50 cm
Weight	490 kg	93 kg

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OPERATIONAL OVERVIEW

INDEPENDENT OPERATION

The instrument operates independently and requires a permanent **110V or 220V electrical connection.**

No Wi Fi connection is required for operation.

An integrated cellular eSIM controller is used exclusively for remote management, including scheduling, monitoring and system administration.

MAINTENANCE

The system is fully self-sufficient and requires no routine daily or mechanical maintenance.

Should service ever be required, the modular architecture allows replacement components to be shipped anywhere in the world.

PROVEN RELIABILITY

Cadenza installations have been operating continuously in public environments since 2017 with no measurable degradation in structural integrity, acoustic performance or appearance.

ALL SEASON PERFORMANCE

Engineered for permanent outdoor installation using high-performance concrete.

Designed to withstand moisture, UV exposure, vandalism and severe freeze-thaw cycles without requiring seasonal storage or winter protection.

Public installations continue to operate successfully through harsh winter conditions, including Hannover, Germany.