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- › [2hp](#) /
- › [2hp Play Sample Player Eurorack Synth Module Instruction Manual](#)

2hp Play

2hp Play Sample Player Eurorack Synth Module Instruction Manual

Comprehensive guide for setup, operation, and maintenance.

1. PRODUCT OVERVIEW



The 2hp Play is a high-fidelity sample player designed for Eurorack modular synthesizer systems. It offers a robust feature set for loading, manipulating, and playing back audio samples with precision and low latency. This module is an essential tool for integrating sampled audio into your modular workflow.

Key Features:

- High fidelity sample playback ensures pristine audio quality.
- Supports up to 32 samples, dynamically switchable via the file knob and associated CV input.
- Flexible playback modes including one-shot, looping, and gated playback with extremely low latency.
- Extensive pitch control, allowing samples to be pitched up two octaves or down three octaves.
- Pitch knob can be free-running or quantized to semitones for musical accuracy.
- Dedicated Pitch CV input tracks volt per octave across its entire range, enabling precise sequencing.
- Ships with a pre-loaded SD card containing loops, drum hits, and field recordings.
- Feature set can be expanded and customized via a configuration file on the SD card.

2. SETUP AND INSTALLATION

Power Requirements:

The 2hp Play module requires standard Eurorack power. Ensure your Eurorack case provides sufficient power (+12V, -12V, and +5V) for all installed modules. Refer to your Eurorack case manual for specific power supply details. The module connects via a 16-pin power connector.

Module Installation:

1. Power off your Eurorack case completely before installing or removing any modules.
2. Locate an available space in your Eurorack case that matches the module's width (2hp).
3. Carefully align the 16-pin power connector on the module with the corresponding header on your case's power bus board. Ensure the red stripe on the power cable aligns with the -12V pin on both the module and the bus board. Incorrect connection can damage the module.
4. Gently press the module into place, ensuring it is seated securely.
5. Use the provided screws to fasten the module to your Eurorack case rails. Do not overtighten.

Initial Setup:

The 2hp Play comes with a pre-loaded SD card. Insert the SD card into the module's SD card slot. The module is ready for use once powered on. For custom samples, refer to the 'Sample Loading and Selection' section.

Eurorack System Integration Example:

The following video demonstrates the setup and integration of Eurorack modules within an Arturia MiniBrute 2 ecosystem. While not featuring the 2hp Play specifically, it provides a visual guide to the general process of installing and connecting Eurorack modules, which is applicable to your 2hp Play module.

Video: Arturia MiniBrute 2 Ecosystem Overview. This video illustrates the process of setting up and integrating Eurorack modules into a compatible system, including power connections and module placement.

3. OPERATION

Sample Loading and Selection:

The 2hp Play can load up to 32 samples. Samples are selected using the dedicated 'File' knob on the module. For dynamic sample switching, connect a Control Voltage (CV) source to the associated CV input. The module supports various audio file formats without specific naming conventions or special formatting.

Playback Modes:

The module offers several playback modes to suit different musical applications:

- **One-shot:** Plays the sample once from beginning to end when triggered.
- **Looping:** Continuously repeats the sample for sustained textures or rhythmic patterns.
- **Gated:** Plays the sample only while a gate signal is high, allowing for precise control over sample duration.

All playback modes feature extremely low latency for responsive performance.

Pitch Control:

The 2hp Play provides extensive control over sample pitch. The dedicated pitch knob allows for adjustment across a wide range, from two octaves up to three octaves down. This knob can operate in a free-running mode for continuous adjustment or be quantized to semitones for melodic applications. The Pitch CV input tracks volt per octave (V/octave) accurately, enabling external sequencers or other CV sources to control the sample's pitch musically.

Configuration and Expansion:

The module's feature set can be expanded and customized by editing a configuration file located on the SD card. Refer to the official 2hp documentation or website for detailed instructions on modifying the config file to unlock additional functionalities or tweak existing parameters.

4. MAINTENANCE

SD Card Management:

Regularly back up the contents of your SD card to prevent data loss. When adding or removing samples, it is recommended to safely eject the SD card from your computer before reinserting it into the module. If formatting the SD card, use a reliable formatting tool and ensure it is formatted to a compatible file system (e.g., FAT32).

Cleaning:

To clean the module, gently wipe the front panel with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the module's finish or internal components. Ensure no liquids enter the jacks or potentiometers.

5. TROUBLESHOOTING

- **No Sound Output:**
Check all audio connections. Ensure the module is properly powered and receiving a trigger or gate signal if in one-shot or gated mode. Verify that the volume or gain controls on the module and subsequent modules in your signal chain are appropriately set.
- **Samples Not Loading/Playing:**
Ensure the SD card is correctly inserted and not corrupted. Try re-seating the SD card. Verify that the sample files are compatible audio formats. If using custom samples, ensure they are properly placed on the SD card.
- **Module Not Powering On:**
Confirm the Eurorack case is powered on and the power cable is correctly connected to the module (red stripe to -12V). Check for any loose connections on the power bus board.
- **Unexpected Behavior:**
If the module behaves unexpectedly, try restarting your Eurorack system. If the issue persists, consult the 2hp website for firmware updates or further troubleshooting guides. A corrupted configuration file on the SD card can also cause issues; try removing or resetting it if you suspect this is the cause.

6. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	2hp
Model Name	Play
Item Model Number	1ce68984-ba4a-4b22-b43b-8bbd6edad90e
Item Weight	1 Pounds
Product Dimensions	10 x 6 x 4 inches
Body Material	Alloy Steel
Material Type	Alloy Steel
Color	metallic silver
Connector Type	1/8" jack, 16-pin power connector
Included Components	SD card with sample content

7. WARRANTY AND SUPPORT

For information regarding product warranty, repairs, or technical support, please refer to the official 2hp website or contact their customer service directly. Keep your proof of purchase for any warranty claims.