



NTS-1 Mk2 Eurorack Conversion Faceplate Kit

for Korg Nu:Tekt NTS-1 Digital Synthesizer Mk2

Installation & Reference Manual • 26HP • Rev 1.0 • June 2026

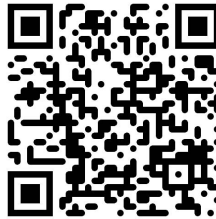
The NTS-1 Mk2 belongs in a rack. This kit was built to put it there, designed specifically for the Korg Nu:Tekt NTS-1 Digital Synthesizer Mk2 with full integration and nothing left out.

With the kit installed, you get fully separated stereo audio in and out, MIDI IN and OUT (TRS Type A), SYNC IN and OUT for any CV source, a front-panel USB data port so you can run firmware updates and Korg Librarian without pulling the unit, a passive 1-to-3 multiple, and a master volume control. All of that in a clean 26HP format.

The PCB Assembly handles power conversion and noise isolation straight from your rack's bus board. Everything you need for installation is included.

Refer to the Video Installation Guide here: youtu.be/X7Mwcf9ldUc

Or Scan Here:



NTS-1 Mk2 Eurorack Conversion Kit. Installed and ready to patch.

WHAT'S IN THE BOX

ITEM	QUANTITY
Faceplate with PCB Assembly (top section pre-attached)	1
Lower PCB Assembly	1
Power Activator Tab	1
90-degree USB-C to USB-C Cable	1
90-degree 3.5mm TRS Cables	6
10-16 Pin IDC Power Cable	1
M3 Rack Mounting Screws	4

Note: The 4 screws used to attach the NTS-1 Mk2 to the faceplate are the original Phillips head screws from your Korg NTS-1 Mk2. The 2 screws for the power activator tab are the 1.5mm screws from the back plate of your NTS-1 Mk2. Both sets are reused during installation. Do not discard them.

TOOLS REQUIRED

- Phillips head screwdriver (not included)

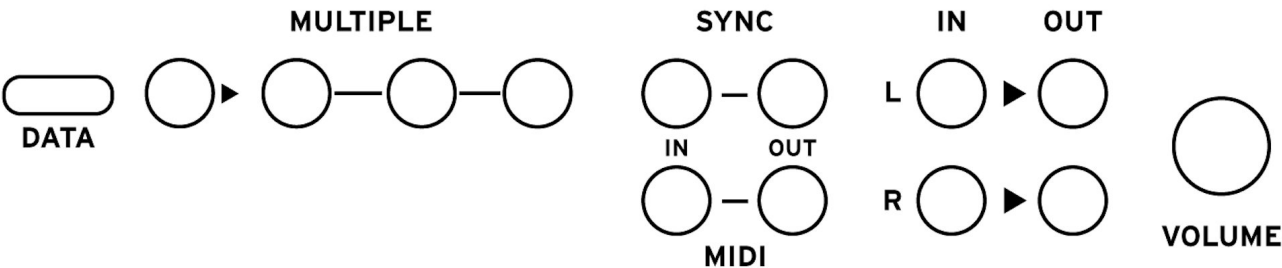
BEFORE YOU BEGIN

⚠ Please read all instructions before beginning installation.

1. Power off your Eurorack system completely before connecting the IDC power cable.
2. Handle the PCB Assembly and faceplate with care. Avoid touching PCB components directly.
3. Do not overtighten any screws. Finger-tight plus a quarter turn is sufficient. Over-tightening can damage the faceplate or the NTS-1 Mk2 chassis.
4. Verify that all cable connections are fully seated before powering on.
5. Ensure your Korg NTS-1 Mk2 is fully assembled before beginning this installation.

FRONT PANEL REFERENCE

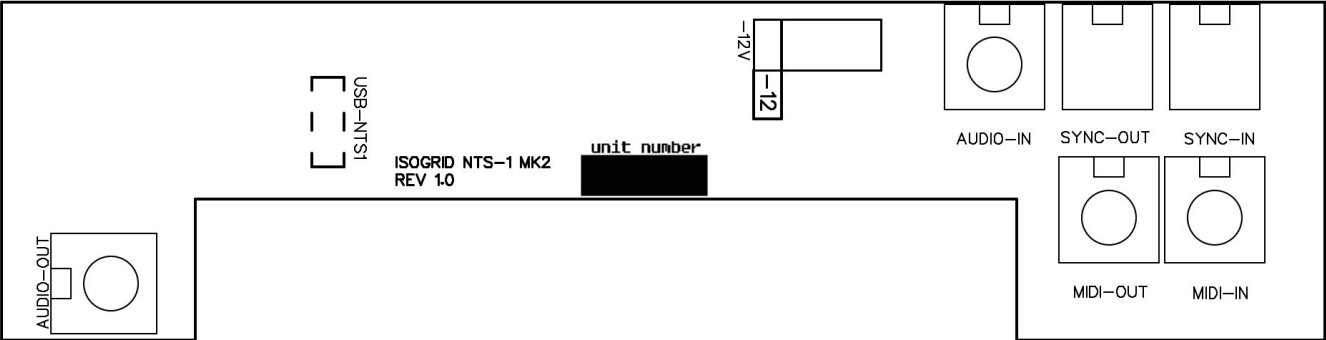
Faceplate layout and jack reference.



Label	Type	Function
DATA	USB-C	Front-panel data port for firmware updates, patch management, and Korg Librarian.
MULTIPLE IN	3.5mm TRS	Signal input (IN). Patch any signal here to split it to the three MULTIPLE OUT jacks on the right.
MULTIPLE OUT 1–3	3.5mm TRS	Signal outputs (OUT 1, 2, 3). Each carries an identical copy of the MULTIPLE IN signal. The IN jack is the single small jack on the left; the three larger jacks to its right are the outputs.
SYNC IN	3.5mm TRS	Accepts any standard CV sync signal to sync the NTS-1 Mk2 tempo.
SYNC OUT	3.5mm TRS	Outputs the NTS-1 Mk2 internal sync signal. Acts as THRU when SYNC IN is also connected.
MIDI IN	3.5mm TRS-A	Receives MIDI data (notes, CC, clock) from an external device. Requires a TRS Type A cable or adapter for standard 5-pin DIN MIDI.
MIDI OUT	3.5mm TRS-A	Sends MIDI data from the NTS-1 Mk2 sequencer to external devices. Requires a TRS Type A cable or adapter for standard 5-pin DIN MIDI.
L IN / R IN	3.5mm TRS	Stereo audio inputs. Signal passes through the effects chain only, not the filter.
L OUT / R OUT	3.5mm TRS	Stereo audio outputs at standard Eurorack levels. Patching only the L OUT provides a summed mono output.
VOLUME	Potentiometer	Master output level control. Adjusts the amplification applied by the PCB Assembly. Start fully counterclockwise and adjust to your system's level.

PCB ASSEMBLY REFERENCE

PCB Assembly, Main Board. Connector labels match cable connections in Steps 4 and 7.



ISOGRID NTS-1 Mk2 PCB Assembly. Main Board | Electrical design by Spad Electronics

PART 1. ATTACH YOUR NTS-1 MK2 TO THE FACEPLATE

Step 1 - Set Output Volume

Set the OUTPUT VOLUME knob on your Korg NTS-1 Mk2 to 100%.

Step 2 - Install the Power Activator Tab

With the NTS-1 Mk2 still fully assembled, install the power activator tab now. Remove the 2 x 1.5mm screws from the back plate of the NTS-1 Mk2 and use them to secure the power activator tab, positioning it to hold the power button fully depressed. The tab's seating will be confirmed once the unit is installed into the faceplate in Step 5.

Step 3 - Connect Cables to the NTS-1 Mk2

Plug all cables into the NTS-1 Mk2 before removing any screws. Leave the opposite ends loose for now. They will be connected to the PCB board in Step 7.

Step 4 - Remove the Four Top Screws

Using a Phillips head screwdriver, remove the 4 screws from the top of the NTS-1 Mk2 stock faceplate. Set them aside. These will be reused in Step 5.

Step 5 - Install the NTS-1 Mk2 to the Faceplate

Slide the NTS-1 Mk2 through the rear of the faceplate. To seat the unit correctly, press up on the faceplate with your thumbs while pushing down on the back of the NTS-1 Mk2 with your fingers. This ensures the power button is fully engaged by the power activator tab and the screw holes align properly through the faceplate. Re-insert the 4 screws from Step 3.

Step 6 - Attach the PCB Board

Align the stacking header pins on the PCB board with the corresponding sockets on the assembly. Press the two boards firmly and evenly together until fully seated. They are shaped to only fit together in one orientation.

Step 7 - Connect Cables to the PCB Board

Flip the assembly over. Connect each cable to its matching labeled port on the underside of the PCB board.

- USB-C cable → USB-NTS1
- MIDI IN cable → MIDI-IN
- MIDI OUT cable → MIDI-OUT
- SYNC IN cable → SYNC-IN
- SYNC OUT cable → SYNC-OUT
- Audio IN cable → AUDIO-IN
- Audio OUT cable → AUDIO-OUT

PART 2. INSTALLING YOUR KIT INTO YOUR RACK

Step 1 - Connect Power

With your rack powered off, plug the included IDC cable into your rack's bus board (16-pin).

⚠ IMPORTANT: IDC CABLE ORIENTATION

The red wire on the IDC cable indicates Pin 1 and must align with the -12V marker on the PCB Assembly. Inserting the cable in the wrong orientation will damage the PCB, the NTS-1 Mk2, and potentially other modules in your rack.

Before powering on, confirm the red wire stripe on the cable aligns with the -12V label on the PCB Assembly connector.

Step 2 - Mount to Rack Rails

Align the faceplate with your rack rails (the kit occupies 26HP). Using a Phillips head screwdriver, secure the unit with the 4 included M3 screws.

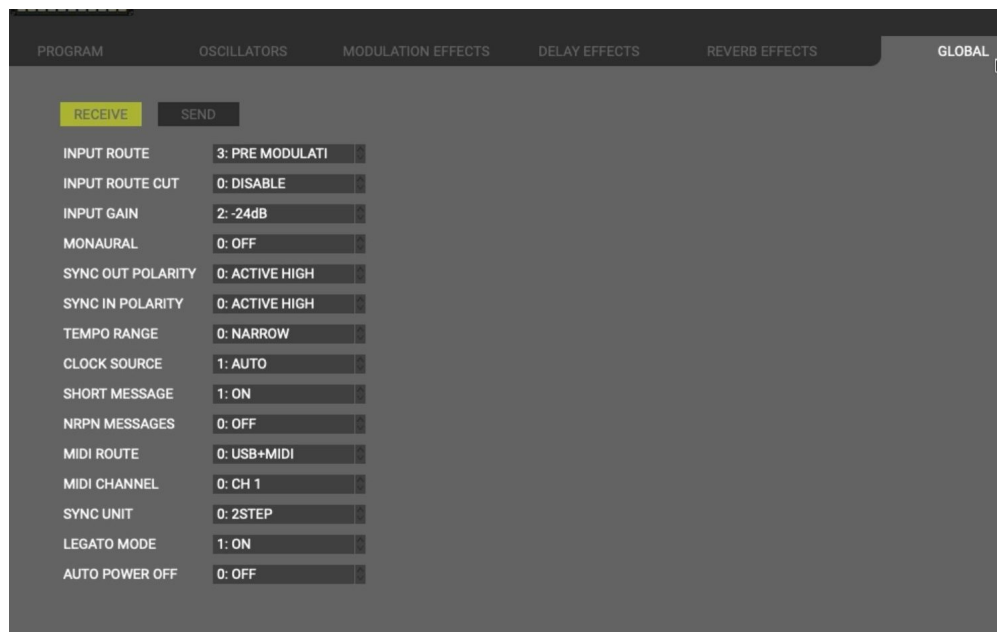
Step 3 - Power On and Play

Power on your rack and enjoy.

SETUP TIPS & FAQ

Recommended Korg Librarian Settings

Access via the DATA port on the front panel. Open the Korg NTS-1 digital kit Librarian, go to the GLOBAL tab, and match the settings below.



Topic	Answer
Input trim	Set INPUT GAIN to -24dB in the Korg NTS-1 Librarian (Global tab) to match Eurorack signal levels and avoid clipping.
Audio input routing	Audio input passes through the effects chain only. It does not pass through the filter. Patching only L OUT gives a summed mono output.
How the multiples work	Patch any signal into MULTIPLE IN. Three identical copies appear at MULTIPLE OUT 1, 2, and 3. Entirely passive.
SYNC IN / SYNC OUT	Accepts and outputs any standard CV sync signal. When both are connected, SYNC OUT acts as THRU. Disconnect SYNC IN to use the NTS-1 Mk2 as a clock source.
MIDI not working	The NTS-1 Mk2 requires TRS MIDI Type A. Confirm any cable or adapter is labeled Type A, not Type B. A Type B cable produces no signal and no error.
No audio output	Check all cables are fully seated at both ends. Confirm the faceplate VOLUME knob is not at its minimum position.
Noise or hum	This kit eliminates the NTS-1 Mk2 noise problem. Any remaining noise originates from within your rack. Check your power supply and bus board.
10-pin bus board only	Use a standard 10-to-10 pin IDC cable (not included) in place of the included one. Or power the NTS-1 Mk2 externally via USB-C and a 5V charger.
Firmware updates	Connect a USB-C cable to the DATA port on the front panel and run the Korg System Updater at korg.com/us/support/download/product/0/933/ .
Firmware updates without removing from rack	Yes. The DATA port on the front panel connects directly to the NTS-1 Mk2. Use Korg Librarian or the firmware updater while fully racked.
Is a TRS MIDI adapter included?	No. A TRS Type A to 5-pin DIN MIDI adapter is not included but is widely available. Any TRS Type A adapter will work.
Compatible with original NTS-1?	No. This kit is designed exclusively for the Korg NTS-1 Mk2.
Warranty	If the kit does not function as expected after troubleshooting with support, a replacement part or unit will be sent.
Support contact	Email helloisogrid@gmail.com or message via our Reverb store. Support is for current kit owners only.

SAFETY & LEGAL DISCLAIMER

Important Safety Information

Eurorack modular systems operate at $\pm 12V$ and 5V. Always power off your rack completely before connecting or disconnecting the IDC power cable. Failure to do so may damage your rack, bus board, or other modules.

Install by someone with basic Eurorack knowledge. ISOGRID assumes no liability for damage caused by improper installation or use.