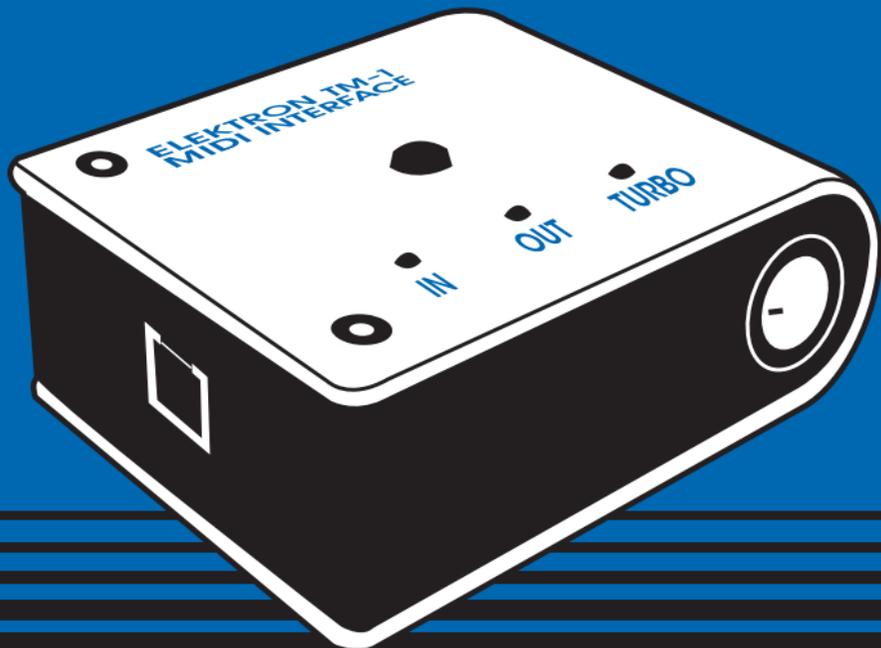# TM-1 MIDI INTERFACE USER'S GUIDE

Thank you for choosing the TM-1 MIDI interface. The TM-1 allows MI

It is specifically designed to be used together with Elektron gear,

most of the special features of the TM-1, please take your time to

Elektron Website.

THE EVOLUTION OF MIDI!

MIDI is still, over 20 years since its introduction, the predominant interface for interconnecting musical devices. Well specified from the beginning, MIDI has proven to stand the test of time. The TurboCharged protocol follows the full MIDI specification, but extends the protocol with dedicated sysex messages to dynamically negotiate speeds of up to 20x the original MIDI standard. The improved speed decreases data transfer times and improves musical tightness.

TM-1—THE TURBOCHARGED MIDI INTERFACE

The TM-1 was mainly developed to improve transfer times of sysex and sample data between computers and Elektron gear up to 10 times. Naturally it also functions as a standard MIDI interface for your sequencer with all MIDI compliant gear.

...DI transmissions up to 10x the original speed using compatible gear.

...ut also works perfectly with standard MIDI equipment. To make the

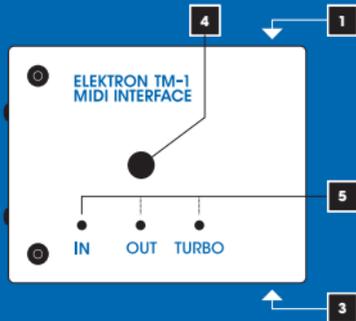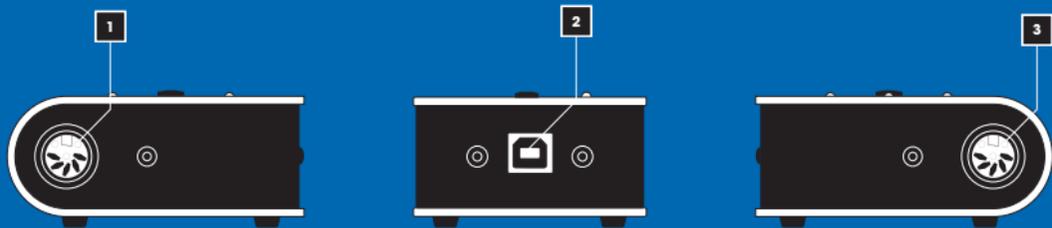...ead through this user's guide, and check the support page of the

TM-1 FEATURES

* 10x MIDI SPEED
* USB 1.1 AND 2.0 COMPATIBLE MIDI INTERFACE
* FULL STANDARD MIDI SUPPORT
* SLEEK BRUSHED ALUMINIUM CASING
* 1x MIDI IN, 1x MIDI OUT
* USB POWERED
* XP/VISTA AND OS X DRIVER FREE OPERATION
* USB AUDIO STANDARD COMPLIANT

INCLUDED IN THE BOX

* TM-1 MIDI INTERFACE
* TM-1 USER'S GUIDE
* 4x RUBBER FEET (OPTIONAL USE)
* 1x USB CORD

TM-1 OVERVIEW

1	**MIDI IN PORT** — RECEIVES INCOMING MIDI DATA.
2	**USB CONNECTION** — INTERFACES TM-1 WITH COMPUTER.
3	**MIDI OUT PORT** — SENDS OUT MIDI DATA.
4	**TURBO BUTTON** — TOGGLES THE TURBOMIDI MODE.
5	**ACTIVITY LEDS** — INDICATE MIDI IN, OUT AND TURBO.

ELEKTRON TM-1
MIDI INTERFACE

IN   OUT   TURBO

USING THE TM-1 MIDI INTERFACE

INSTALLATION

On a computer running Windows XP/Vista or Mac OS X just connect the TM-1 to a free USB port. The TM-1 will be automatically recognized by the computer. No drivers are needed.
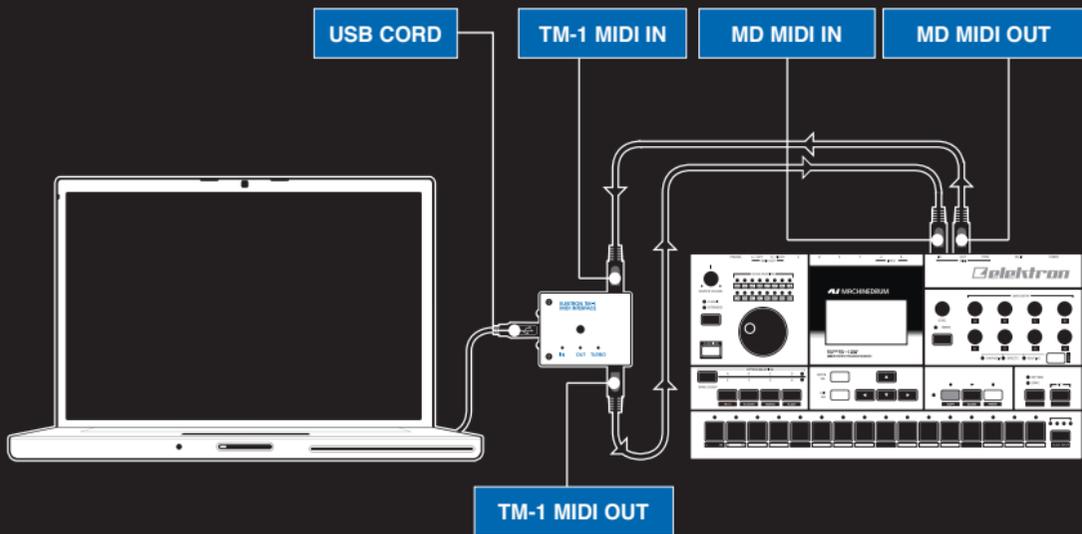
USING THE TM-1 IN TURBO MODE

The TM-1 comes to its fullest when used together with the Elektron Machinedrum SPS-1/SPS-1UW, the Monomachine SFX-6/SFX-60 and forthcoming TM-1 compatible equipment. Only by using TM-1 compatible devices can the turbo mode be engaged. See first page »TM-1-THE EVOLUTION OF MIDI« for examples of advantages.

Users of the SPS-1UW, will instantly enjoy the vastly improved sample transfer rate. You will need to have at least OS 1.31 installed on the Machinedrum SPS-1/SPS-1 UW and OS 1.07 installed on the Monomachine SFX-6/SFX-60 to be able to use the turbo mode.
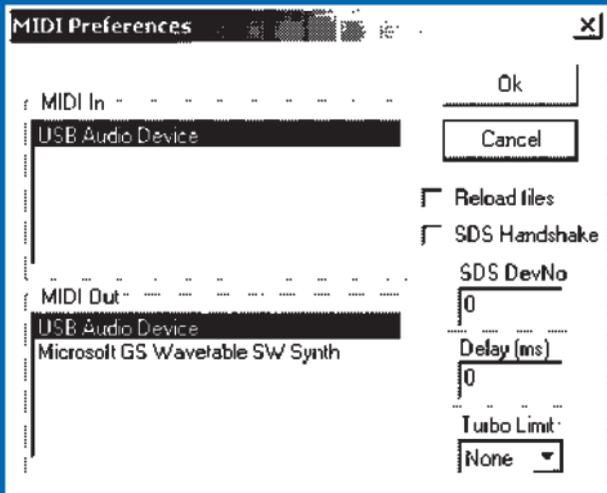
We recommend using our C6 utility. C6 is specially developed to be the safest and quickest utility for transferring sysex files and MIDI SDS samples, using any computer MIDI interface. C6 can be downloaded from the support page of the Elektron website.

1	CONNECT THE TM-1 TO THE USB PORT OF A COMPUTER.
2	CONNECT THE MIDI IN ON THE TM-1 TO THE MIDI OUT ON THE MIDI DEVICE.
3	CONNECT THE MIDI OUT ON THE TM-1 TO THE MIDI IN ON THE MIDI DEVICE.
4	PRESS THE TURBO BUTTON AND MAKE SURE THE TURBO LED IS CONSTANTLY LIT.

USB CORD

TM-1 MIDI IN

MD MIDI IN

MD MIDI OUT

TM-1 MIDI OUT

TIP! ARROWS PRINTED ON THE RIGHT HAND SIDE OF THE TM-1 INDICATE THE MIDI FLOW.

USING THE TM-1 MIDI INTERFACE WITH C6

MIDI Preferences

MIDI In
USB Audio Device

MIDI Out
USB Audio Device
Microsoft GS Wavetable SW Synth

Ok

Cancel

☐ Reload files
☐ SDS Handshake
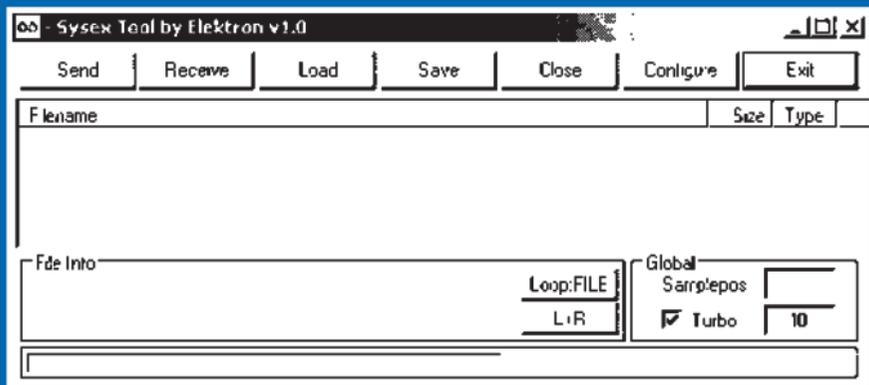SDS DevNo
0
Delay (ms)
0
Turbo Limit
None

OPEN THE C6 UTILITY FOR WINDOWS XP/ VISTA OR OS X. CLICK THE »CONFIGURE BUTTON«. SELECT THE INPUT AND OUTPUT OF »TM-1«. ON WIN XP BY DEFAULT, THE TM-1 IS PRESENTED AS »USB AUDIO DEVICE«

✋ **TIP!** UPDATE YOUR WIN XP TO LIST THE TM-1 DEVICE AS »TM-1«.

CHECK SUPPORT PAGE AT WWW.ELEKTRON.SE

Sysex Tool by Elektron v1.0

Send	Receive	Load	Save	Close	Configure	**Exit**

Filename	Size	Type

File Info

Loop:FILE

L ¦ R

Global

Samplepos

☑ Turbo   10

IN THE MAIN WINDOW OF C6, MARK THE TURBO CHECKBOX TO ACTIVATE TURBO MODE. THE TM-1 TURBO LED SHOULD BLINK AND STAY LIT WHEN SUCCESSFUL. CHECK THE MIDI SPEED TO THE RIGHT OF THE TURBO TEXT IN C6.

TIP! BOTH MIDI IN & OUT NEED TO BE CONNECTED FOR TURBO MODE.

SEE INSTALLATION GUIDE FOR DETAILS

PUSH THE BUTTON!

IN ANY PROGRAM YOU CAN ALWAYS TOGGLE TURBO MODE WITH THE TURBO BUTTON!
USING THIS FEATURE THE TM-1 POTENTIALLY ENHANCES ANY MIDI APPLICATION.

CREDITS   **Concept and development**
Anders Gärder
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Jon Mårtensson
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CONTACT INFORMATION   **Elektron website**
www.elektron.se

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Erik Dahlbergsgatan 3
411 26 Gothenburg
Sweden