

TB-3 FRONT PANEL GUIDE

PATCHES & PATTERNS

[Save Sound Patch](#)
[Link Sound to Pattern](#)
[Pattern Lock](#)
[Set Pattern Steps](#)
[Copy Pattern](#)
[Delete Pattern](#)
[Randomize Notes](#)
[Randomize Accents, Glides, & Octaves](#)
[Transpose a Pattern](#)
[Change Pattern Pitch](#)
[Set Swing Amount](#)
[Change to Triplet Timing](#)
[Tap Tempo](#)
[Backup Patterns](#)
[Restore Patterns](#)

GLOBAL SETTINGS

[Set Keyboard Mode](#)
[Set MIDI Channel](#)
[Set MIDI Clock Source](#)
[Set MIDI THRU](#)
[Set Keypad Sensitivity](#)
[Master Tune](#)
[Realtime Tuning](#)
[LED Demo Mode](#)

NAVIGATION

[Select a Sound](#)
[Select a Pattern](#)

OTHER FUNCTIONS

[Firmware Version](#)
[Factory Reset](#)

[brackets around a button means hold down the button while doing something else]

[TOP](#)

PATTERN SELECT & KEYBOARD MODES

PATTERN SELECT MODE: [PTN SELECT BUTTON IS LIT]

PATTERN LOCK

STEP & REALTIME REC OFF

- ▶ [PTN SELECT] → VALUE → OFF or LOC
- ▶ If set to LOC, pattern edits will not be saved as normal.

COPY A PATTERN

SEQUENCER OFF

- ▶ Choose a pattern 1-1 through 8-8 → [PTN SELECT] → Tap the PAD to copy from → VALUE or PAD + -OCT+ to choose a destination → PLAY/STOP to confirm.

DELETE A PATTERN

SEQUENCER OFF

- ▶ Choose a pattern 1-1 through 8-8 → [PTN SELECT] → PAD CLEAR → display reads CLR → PLAY/STOP to confirm.

LINK A SOUND TO A PATTERN

STEP OR REALTIME REC ON

- ▶ Choose a pattern 1-1 through 8-8 → [ENV MOD] → VALUE knob to select a patch number → PLAY/STOP to confirm.

PATTERN PITCH SHIFT¹

STEP OR REALTIME REC ON

- ▶ [KEYBOARD] → VALUE knob to change all pattern notes in half step increments.

RANDOMIZE THE NOTES PATTERN

- ▶ [PTN SELECT] → SCATTER

SELECT A PATTERN

- ▶ VALUE or PAD + -OCT+. Run fingers along pad to select multiple patterns to play.

TAP TEMPO

- ▶ [TEMPO] → Tap SCATTER button on the quarter notes

[TOP](#)

KEYBOARD MODE: [KEY-BOARD BUTTON IS LIT]

SET THE NUMBER OF STEPS IN A PATTERN

► [STEP REC] → VALUE 1-32 steps, stored per pattern.

TURN TRIPLET TIMING ON/OFF

► [STEP REC] → tap the TEMPO button. Stored per pattern.

SEMI-RANDOMIZE THE ACCENTS, GLIDES AND OCTAVES⁴

► [KEYBOARD] → SCATTER

TRANPOSE A PATTERN¹

STEP & REALTIME REC OFF

► [KEYBOARD] → PAD to increment the pattern's base key by half steps.

SELECT A SOUND PATCH²

► VALUE knob to select (1 at a time) or [KEYBOARD] → VALUE (10 at a time).

U01 → U15 User slots
R01 → R26 TB-303 sounds
B01 → B51 Bass sounds
C01 → C40 Lead sounds
S01 → S17 SFX (special FX)

SAVE A SOUND

SEQUENCER OFF

► [ENV MOD] → VALUE → U01 – U15 → PLAY/STOP to confirm.

[TOP](#)

GLOBAL SETTINGS

STARTUP MODES

MODE 1: MIDI & GENERAL SETTINGS

[SCATTER] → restart the device

ACTION	CONTROL	DEFAULT
Set the MIDI Channel:	VALUE	Default = 02
OFF	No midi channel selected, only front panel input	
01 → 016	Sets both send and receive channels.	
000	Omni mode. Receive channel is set to ALL, transmit channel is to 2.	
Set MIDI Clock Source:	PAD C	Default = Lit
Lit/auto:	Accepts both DIN & USB clock. If both are present, USB has priority.	
Dim/internal:	Internal clock only.	
Set MIDI Out to MIDI Thru:	PAD D	Default = Lit
Lit/On:	MIDI OUT is also MIDI THRU, passing any data received from MIDI IN	
Dim/Off:	MIDI OUT is normal, no passthrough of data	
Adjust Pad Z Sensitivity:³	[KEYBOARD] → VALUE	Default = 3
0 → 10	Sets pad sensitivity with 10 being the most sensitive.	
Master Tune:	[ENV MOD] → VALUE	Default = 440
430 → 450	Set tuning in 1Hz increments.	
LED Demo:	[TEMPO] → VALUE	Default = OFF
OFF → 30	Sets number of minutes to wait before starting the LED routine.	

MODE 2: FIRMWARE VERSION

[STEP REC] + [REALTIME REC] → restart the device

- Press PLAY/STOP and the display will show the version. For example, 104 means version 1.04.
- Final version is 1.10 or 110. Do not update your firmware if it's up-to-date.

MODE 3: FACTORY RESET

[REALTIME REC] → restart the device

- Back up your patterns and note your settings as they will be reset to factory settings.
- After restart, display will read f5e → Press flashing PLAY/STOP to confirm or restart to cancel → Display will read CAP (CoMPLETE) and you can restart.

▶ Restore your patterns and settings.

MODE 4: BACKUP PATTERNS

[PLAY/STOP] → restart the device

▶ Connect USB cable → Copy “TB-3” pattern files in the “BACKUP” folder to your computer → Disconnect the cable and restart the device.

MODE 5: RESTORE PATTERNS

[PLAY/STOP] → restart the device

▶ Connect USB cable → Copy pattern files from your computer to the RESTORE folder on TB-3 → Disconnect the cable and restart the device.

[TOP](#)

REAL-TIME GLOBAL SETTINGS

KEYBOARD MODES

[Local off], [Local on], [Controller only]

▶ [SCATTER] → VALUE → choose OFF, ON, or C&F

OFF Produces sound only with external midi message. The keypad and knobs are disabled.

ON Produces sound through any operation including external midi message.

C&F Produces no sound, only outputs midi messages for controlling other synths.

SET SWING AMOUNT

▶ [TEMPO] → VALUE → choose value between -50 → 50. Sets positive or negative swing amount.

REAL-TIME TUNING^S SEQUENCER, STEP & REALTIME REC OFF

▶ [ENV MOD] → PAD → -7.0 → 7.0. Adjusts tuning in increments of .1, or 10 cents.

[TOP](#)

Footnotes:

1. The difference between pattern transpose and pattern pitch shift is that pattern pitch shift changes the notes of the pattern while transpose changes the base key or starting root of the pattern without changing its notes. Also, with pattern pitch shift, when the notes are pitch shifted beyond the upper and lower limit of the note range, they cannot be shifted back to their original pitch. Essentially pitch shift is destructive (changing the pattern's notes) while transpose is nondestructive (saving a key signature on which to start).
2. There are 15 user assignable sound slots and 134 preset sound slots. Slots in the A bank can be accessed with simple program change, while Banks B-D need to have CC0 sent with a value of 1,2, or 3 before the program change command is issued. User patches U01-U15 cannot be selected with program change, only with the value knob. For live performance, use the [patch data sysex command](#) to load user patches without touching the front panel.
3. Pad Z functions as a switch and should be assigned to parameters with only two values. For example, you can set Pad Z to distortion or noise switch and it will stay active as long as you hold keypad down. When you release, the sound will switch off. If it doesn't seem to work, your sensitivity might be set too low, so go into global settings and [increase the sensitivity](#).
4. The accent function is triggered when midi velocity values over 100 are received from an external controller. The TB-3 touchscreen doesn't respond to velocity from the keypad.
5. Tuning (-7.0 to +7.0) is -700 to +700 cents, same as the TB-303. Use with caution as it's global.

[TOP](#)