

## TC2290 SPECIAL NUMBER LIST

SPEC No.	Min / Max value	Factory default	Preset / Global	Version notes	Name / Function
0	260-265 27.00- 30.12	SHOW	Global		<b>Software revision number.</b>
1	27.00- 30.12	SHOW	Global	27-	<b>Software sales type.</b>
1	0-127	51	Global	-26.5	<b>MIDI Exclusive ID-No.</b> - When sending MIDI exclusive codes (to another TC 2290 or to a computer), this spec no. ensures that only equipment with identical ID-Numbers are 'listening' to these exclusive codes.
2	0-1	1	Global		<b>MIDI Exclusive Input Off.</b> - '1' means that TC2290 ignores input exclusive MIDI codes, (even if ID-No. is ok). With the value '0', TC2290 responds to MIDI input exclusive codes.
3	0-1	1	Global		<b>MIDI Exclusive Output Off.</b> - '1' means that TC2290 does not send out all keys pressed as MIDI exclusive codes. With the value '0' all keys pressed are send out as MIDI exclusive codes.
4	1-16	1	Global		<b>MIDI Channel.</b> - the front panel key <MIDI CH> actually selects this spec no.
5	0-1	0	Global		<b>MIDI Omni Off.</b> - '1' means that TC 2290 will only listen to the chosen MIDI channel #. At '0' TC 2290 listens on all MIDI channels.
6	0-1	0	Global		<b>MIDI Enable</b> , as the front panel key.
7	1-32	1	Global		<b>Memory Size</b> – where you write how many seconds of memory installed in your TC 2290. Take extreme care not to write a wrong value. A very annoying and noisy 'hole' will appear in the sound if set too high !!
8	1-100	80	Global		<b>Preset Protect</b> - all presets below this number are not protected against accidental store. Note: Preset #0 (the 'autostore' preset) cannot be protected.
9	0-1	0	Preset		<b>Inv. Dly.modulation.</b> '1' to invert the flanger sweep start and env. pitch shift direction.
The next 4 spec numbers sets the thresholds associated with the modulation forms ENV and TRIG. The higher the value the higher input signal is necessary to get the same modulation effect. Dly and Pan thresholds are from -48 to -24dB (ref 0dB PPM). Dyn thresholds -36 to -12dB. All in 3dB steps.					
10	1-9	5	Preset		<b>Dly.Mod.Threshold.</b> 9 thresholds for the Dly Env. and Trig waveforms.
11	1-9	5	Preset		<b>Pan Mod.Threshold.</b> 9 thresholds for the Pan Env. and Trig waveforms.
12	1-9	5	Preset		<b>Dyn Dly.Vol Threshold.</b> 9 thresholds for the Dyn Env. and Trig waveforms.
13	1-9	9	Preset		<b>Dyn Feedback Threshold.</b> 9 thresholds for the Dyn Env. and Trig waveforms.
The next 4 spec numbers sets whether the respective parameter should retain the manually selected value / status or if it should recall the value /status as stored within the preset. '1' = manually '0' = as preset					
14	0-1	0	Global		<b>Manual Delay On Control.</b>
15	0-1	0	Global		<b>Manual Sample Control.</b>
16	0-1	0	Global		<b>Manual Outgain Control.</b>
17	0-1	0	Global		<b>Manual Dirgain Control.</b>
18	0-1	0	Global		<b>Manual Ext.Eff. Control.</b>
19	0-1	0	Global		<b>Keyboard Lock</b> , '1' enables a double <ENTER> <ENTER> to lock the keyboard to the currently selected parameter, preventing other <UP/DOWN> keys to erratically 'catch' the keyboard. Pressing <.><.>, <PRESET>, <CHANGE> or <SPEC> will remove the lock.

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20	0-1	0	Global		<b>Special Number Roll</b> , for the user often programming spec no. - Set to '1' to enable 'special number roll'. <SPEC> rolls forward one number, <ENTER> rolls forward to next spec. value. <DELAY UP/DOWN> cancels spec no. display.
21	0-255	0	Global		<b>Spec No. Sys</b> - for service only.
22	0	0	Global		<b>Show Keycode</b> , to help when programming the assign keys. Keycodes for all following key strokes will be shown in the delay time display. Note that the TC2290 functions unaffected by this 'Show keycode' in delay display' so all keycodes for keys that result in a changed delay display can not be shown. These are: <DELAY UP>, <DELAY DOWN>, <SPEC>, <MIDI CH> and <LEARN>
23	0	0	Global		<b>Last Error</b> , Shows last occurred error no. If you have had error. no.13 (=presets and spec.no overwritten by factory defaults) a '0' must be entered here to tell the TC 2290 that you have seen the error. Check the Error #. List for other possible error numbers.
24	0	0	Global		<b>Fatal Error</b> . Show last - (service only).
25	0-99	99	Global	26.5-	<b>Direct Signal bypass volume</b> . If Bypass Method (spec 26) is set to 'Output mute' (value 1) or 'Mute both' (value 2), this parameter decides the volume of the direct signal when delay is bypassed (with the <DELAY ON> toggle key).
26	0,1,2	2	Preset	26.5-	<b>Bypass Method</b> , selects between 3 bypass methods: Input mute (0) for 'a tail of delay' or Output mute (1) for 'history, but no tail' or Mute both (2) for 'no history, no tail' when bypassing.
27	0-99	0	Preset	27-	<b>Sequence counter</b> . From 0-99 using trigger: Source audio, MIDI, learn and metronome. From 100-199 using end of sample to trigger new sample. I.e.: Value 110 will use sample end as trigger source, and will play the preset 10 times.
28	0-255	0	Preset	27-	<b>Metronome:</b> Beat/minute
29	256-60.0	6	Global	27-	Milliseconds/beat
30	1-20	6	Global	27-	<b>Record/playback threshold hysteresis</b> . 1 to 20 dB to avoid false triggering.
31	1-9	2	Global	27-	<b>Record threshold</b> , 9 thresholds for the input level triggered record. The higher the value the higher input signal is necessary to trig start of recording.
32	1-9	5	Global	27-	<b>Playback threshold</b> , 9 thresholds for the input triggered playback. The higher the value the higher input signal is necessary to trig/re-trig playback. The thresholds are from -48 dB to -24dB in 3dB steps.
33	0-1	0	Global	27-	<b>Equal record/playback points</b> when set to '0'. Separate record / playback points when set to '1'
33	0-99	0	Preset	27-	<b>Next preset</b> . Automatic shift to another preset (only together with sequence counter). I.e. set next preset to 50 and sequence counter to 101. Store the setting and call it. Now your preset will play once, and then shift to preset 50.

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SPEC No.	Min / Max value	Factory default	Preset / Global	Version notes	Name / Function
34	20-33.0	50	Global	27-	<b>Cross fade time.</b> When re-triggering a sample, cross fade time tells how long it takes for the first playback to fade out. The re-triggered sample will playback normal.
35	500-2000  0-24	12	Preset	27-	<b>Playback pitch.</b> 1000 = same pitch 500 = 1 octave down 2000 = 1 octave up 12 = same pitch 10 = one note lower 13 = one and a half note higher.
36	0-1	0	Preset	27-	<b>Double sampling time.</b> 0 = normal sampling time 1 = double sampling time
37	0, 1, 2290	2290	Global	26.5-	<b>Reset</b> - If you write '1' in this spec no. the factory presets 80-99 are restored at the next power off/on sequence. Otherwise if the number '2290' is not the value of this spec no., a total reset of the TC2290 is performed at next power off/on. The reset includes all presets and special-numbers are set to the factory default values. Note that at the following power-up the error no. '13' is shown (presets lost) until you write '0' in the spec no. 23 to tell TC2290 that you are aware that presets are lost.
38	0-9999	1023	Global	27-	<b>Max delay time.</b> Set to '0' to allocate all available memory (as entered in Spec No. 7) minus the value in spec no. 39 (delay). (Same procedure to achieve more than 9999 ms if available). Power off/on power before active.
38	1000-9999	1023	Global	26.5	<b>Max delay time.</b> Sets max delay time. - When sampling (repeat/hold): how long the repeating sample is. Power off/on power before active.
39	1000-32.0	2815	Global	27-	<b>Max sampling time.</b> Enter '0' to allocate all available memory (as entered in Spec No. 7) minus the value in spec no. 38 (delay) Power off/on power before active.
40-48	0-199	31 199	global	26.5-	<b>Assign Key A String</b> , default is <PRESET UP>. (See section for programming assign keys).
50-58	0-199	32 199	global	26.5-	<b>Assign Key B String</b> , default is <PRESET DOWN>. (See section for programming assign keys).
The numbers 60-99 are used for four remote assign switches, as used with the TC 0050 Remote Switch Panel. You can also make remote switches yourself, see the 2290-Apr.04 note: 'How to make remote switches'.					
60-68	0-199	85 199	Global	26.5-	<b>Remote Assign Key 1 String</b> , default is <DELAY ON>. (See section for programming assign keys).
70-78	0-199	36 199	Global	26.5-	<b>Remote Assign Key 2 String</b> , default is <LAST PRESET>. (See section for programming assign keys).
80-88	0-199	31 199	Global	26.5-	<b>Remote Assign Key 3 String</b> , default is <PRESET UP>. (See section for programming assign keys).
90-98	0-199	32 199	Global	26.5-	<b>Remote Assign Key 4 String</b> , default is <PRESET DOWN>. (See section for programming assign keys).

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SPEC No.	Min / Max value	Factory default	Preset / Global	Version notes	Name / Function
100	1-3	1	Global	30-	<b>Assign master or slave:</b> 2 = Stereo master 3 = Stereo slave 1 = Mono Fast trigger.
103	0-1	0	Preset	27-	<b>Deep modulation:</b> 0 = Standard modulation 1 = Deeper modulation.
104	0-1	0	Preset	27-	<b>Hold function:</b> 0 = Off / 1 = On.
105	0-1	1	Global	27-	<b>Hold auto erase:</b> 0 = Off / 1 = On.
106	0-1	0	Global	27-	<b>Auto mute on erase:</b> 0 = Off / 1 = On.
107	0-32	0	Preset	27-	<b>Metronome on hold function:</b> 0 = Off 1-32 = steps in a period (bar) of the hold function.
108	0-1	0	Global	27-	<b>Click track on hold:</b> 0 = Off 1 = click track on to link.
109	0-1	0	Global	27-	<b>Double sample time display:</b> 0 = Off 1 = double sample time display.
110	0-127	0	Global	27-	<b>Device number.</b>
111	0-99	0	Global	27-	<b>Preset source for MIDI dump of one preset.</b>
112	0-99	0	Global	27-	<b>Preset destination for MIDI dump of one preset.</b>
113	0-99	0	Global	27-	<b>Preset dump from slave to master:</b> All presets lower than a specific value will be dumped.
114	0-1	0	Global	27-	<b>Preset total dump from slave to master unit:</b> 0 = Off 1 = dump
115	0-1	0	Global	27-	<b>Special number dump from slave to master:</b> 0 = Off 1 = dump
116	0-1	0	Global	30-	<b>Disable keycodes on slave:</b> 0 = Off 1 = disabled
117	0-1	1	Global	27-	<b>MIDI error check:</b> 0 = all MIDI error id. 1 = only fatal MIDI error.
120	0-2	0	Global	27-	<b>Quick reset:</b> 0 = Off 1 = Load factory presets 2 = Reset spec no. 24, 27, 32 and 33.

Note that if the special number is 'in preset' it means that there are 100 values, one individual value for each preset. The value of a 'Global' special number is common to all presets.

### Version notes:

Blank	valid for all software versions
-26.5	for software versions lower than or equal to version 26.5
27-	for all versions higher than version 27.00
30-	for all versions higher than version 30.00

Calling a special number other than the above will result in error #1.  
Attempts to enter special values out of range will result in error #2.