Service Note		
Product	Description:	Service note no.
TC1280	**Error code and Utility parameter List**	705 10 03 05

Error code list for TC1280/TC1380:

13   The unit has made a reset. Appears when Utility Parameter Number 3 is set to 80

15   Security Lock is activated. Use Utility Parameter Number 5 to open/lock.

17   The user has tried to change the value of a read only parameter.

21   EPROM checksum Error. Try another EPROM.

22   Fatal Error. Check CPU.

24   Received incorrect or incorrect ended MIDI Exclusive dump.

25   Received MIDI Exclusive delay and toggle status dump with wrong checksum.

26   Received MIDI Exclusive delay and toggle status dump, which needed errorcorrection.

27   Midi input Error.

50   Clock interrupt overrun. Check CPU pin 5.

51   Application transfer and Display update processing overrun.

52   Real time memory monitor overrun. Only possible if using ICE.

53   Appears when VCO not equal to 6.4 MHz after approx. 10 sec.

54   Midi transmission processing overrun. Check midi circuitry.

55   Lock input is disabled.

57   Appears when Main board and Digital board have been separated or battery voltage is low. At power on CPU standby bit is missing, therefor a Master reset is done. All settings = factory default

58   Appears when Main board and Digital board have been separated or battery voltage is low. Check also CPU. At power on checksum in non violating parameters is wrong, therefore a Master reset is done. All settings = factory default

59   Power fail has occurred. Check also reset circuitry.

Utility parameter list for TC1280/TC1380:

Parameter	Function	Value
0	Software version	Read only
1	Resolution	Microsec./frames
2	MIDI device/channel no.	0: MIDI off 1-99: MIDI device no.
3	Reset	80: Reset 82: All LED's on 90: Relay bypass active 94: MIDI test: Make I/O loop, if ok value =95
4	Distance mode	0: Show distance only 1: Show and adjust distance, A dot in the display flashes indicating distance mode
5	Security lock	Open/lock
6	Preset	1-4
7	Last error	Read only
8	MIDI error correction	See MIDI functions