

4.10.2 PARAMETERS

Fax Parameters

The initial settings of the following fax parameters are all FF(H) - all the parameters are disabled.

Switch 00
FUNCTION AND COMMENTS
<p>ITU-T T1 time (for PSTN G3 mode)</p> <p>If the connection time to a particular terminal is longer than the NCU parameter setting, adjust this byte. The T1 time is the value stored in this byte (in hex code), multiplied by 1 second.</p> <p>Range: 0 to 120 s (00h to 78h)</p> <p>FFh - The local NCU parameter factory setting is used.</p> <p>Do not program a value between 79h and FEh.</p>

Switch 01							
No	FUNCTION					COMMENTS	
0-4	Tx level					<p>If communication with a particular remote terminal often contains errors, the signal level may be inappropriate. Adjust the Tx level for communications with that terminal until the results are better.</p> <p>If the setting is "Disabled", the NCU parameter 01 setting is used.</p> <p>↓ Note</p> <ul style="list-style-type: none"> Do not use settings other than listed on the left. 	
	Bit4	Bit3	Bit2	Bit1	Bit0		
	0	0	0	0	0		0
	0	0	0	0	1		-1
	0	0	0	1	0		-2
	0	0	0	1	1		-3
	0	0	1	0	0		-4
	↓	↓	↓	↓	↓		↓
	0	1	1	1	1		-15
	1	1	1	1	1		Disabled


5-7	<p>Cable equalizer</p> <p>Bit 7: 0, Bit 6: 0, Bit 5: 0 = None</p> <p>Bit 7: 0, Bit 6: 0, Bit 5: 1 = Low</p> <p>Bit 7: 0, Bit 6: 1, Bit 5: 0 = Medium</p> <p>Bit 7: 0, Bit 6: 1, Bit 5: 1 = High</p> <p>Bit 7: 1, Bit 6: 1, Bit 5: 1 = Disabled</p>	<p>Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange when calling the number stored in this Quick/Speed Dial.</p> <p>Also, try using the cable equalizer if one or more of the following symptoms occurs.</p> <p>Communication error with error codes such as 0-20, 0-23, etc.</p> <p>Modem rate fallback occurs frequently.</p> <p>↓ Note</p> <ul style="list-style-type: none"> Do not use settings other than listed on the left. <p>If the setting is "Disabled", the bit switch setting is used.</p>
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Switch 02						
No	FUNCTION					COMMENTS
0-3	Initial Tx modem rate					<p>If training with a particular remote terminal always takes too long, the initial modem rate may be too high. Reduce the initial Tx modem rate using these bits.</p> <p>For the settings 14.4 or kbps slower, Switch 04 bit 4 must be changed to 0.</p> <p>↓ Note</p> <ul style="list-style-type: none"> Do not use settings other than listed on the left. If the setting is "Disabled", the bit switch setting is used.
	Bit3	Bit2	Bit1	Bit0	bps	
	0	0	0	0	Not used	
	0	0	0	1	2400	
	0	0	1	0	4800	
	0	0	1	1	7200	
	0	1	0	0	9600	
	0	1	0	1	12000	
	0	1	1	0	14400	
	0	1	1	1	16800	

Dedicated Transmission Parameters

	1	0	0	0	19200	
	1	0	0	1	21600	
	1	0	1	0	24000	
	1	0	1	1	26400	
	1	1	0	0	28800	
	1	1	0	1	31200	
	1	1	1	0	33600	
	1	1	1	1	Disabled	
	Other settings: Not used					
4-7	Not used				Do not change the settings.	

Switch 03		
No	FUNCTION	COMMENTS
0-1	Inch-mm conversion before tx Bit 1: 0, Bit 0: 0 = Inch-mm conversion available Bit 1: 0, Bit 0: 1 = Inch only Bit 1: 1, Bit 0: 0 = Not used Bit 1: 1, Bit 0: 1 = Disabled	If "inch only" is selected on the machine uses inch-based resolutions for scanning, the printed copy may be slightly distorted at the other end if that machine uses mm-based resolutions. If the setting is "Inch-mm conversion available ", Inch-mm conversion become effective to the special senders. If the setting is "Disabled", the bit switch setting is used.
2-3	DIS/NSF detection method Bit 3: 0, Bit 2: 0 = First DIS or NSF Bit 3: 0, Bit 2: 1 = Second DIS or NSF Bit 3: 1, Bit 2: 0 = Not used Bit 3: 1, Bit 2: 1 = Disabled	(0, 1): Use this setting if echoes on the line are interfering with the set-up protocol at the start of transmission. The machine will then wait for the second DIS or NSF before sending DCS or NSS. If the setting is "Disabled", the bit switch setting is used.

4	<p>V.8 protocol 0: Off 1: Disabled</p>	<p>If transmissions to a specific destination always end at a lower modem rate (14,400 bps or lower), disable V.8 protocol so as not to use V.34 protocol. 0: V.34 communication will not be possible. If the setting is "Disabled", the bit switch setting is used.</p>
5	<p>Compression modes available in transmit mode 0: MH only 1: Disabled</p>	<p>This bit determines the capabilities that are informed to the other terminal during transmission. If the setting is "Disabled", the bit switch setting is used.</p>
6-7	<p>ECM during transmission Bit 7: 0, Bit 6: 0 = Off Bit 7: 0, Bit 6: 1 = On Bit 7: 1, Bit 6: 0 = Not used Bit 7: 1, Bit 6: 1 = Disabled</p>	<p>For example, if ECM is switched on but is not wanted when sending to a particular terminal, use the (0, 0) setting.</p> <p> Note</p> <ul style="list-style-type: none"> ▪ V.8/V.34 protocol and JBIG compression are automatically disabled if ECM is disabled. ▪ If the setting is "Disabled", the bit switch setting is used.

<p>Switch 04 - Not used (do not change the settings)</p>
<p>Switch 05 - Not used (do not change the settings)</p>
<p>Switch 06 - Not used (do not change the settings)</p>
<p>Switch 07 - Not used (do not change the settings)</p>
<p>Switch 08 - Not used (do not change the settings)</p>
<p>Switch 09 - Not used (do not change the settings)</p>