

FS 4:3, 50Hz  
 FX 4:3, 100Hz  
 FP 16:9, 50Hz, PALplus  
 FW 16:9, 50Hz  
 FZ 16:9, 100Hz

# Feature Plus chassies

FS made in Turku 1994...1997  
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 FZ made in Turku 1996...1998

Dated	Chassis	Faults appeared in the colours	Possible cause of the fault
	FX	Picture colours poor, Teletext colours are OK	* Feature box
<b>Faults appeared in the picture</b>			
	FS	EW correction fault	* Zener DZk9
	FS	White picture with flyback lines	* Rk4
	FS	Picture width only 20 cm	* Ck27
	FS	Vertical stripes on background of menu	* Change Cr15 for 470nF
	FS	After glow	* Change Ch27 for 10µF
	FS	Teletext does not operate ("No Teletext transmission")	* cr3 or ICq1 (Matrix switch)
	FS	Black screen, momentarily hor stripes on upper edge	* Colour decoder ICd1 (TDA9162)
	FX	Luminance disappears	* Rt8 (loose contact)
	FX	OSD menus not synchronized	* Poor contact in Zr1 (20.48Mhz crystal)
	FX	No teletext, no clock	* cr3 (100n) and rr7 (470R). Note, rr8 omitted when Megatext version C24
	FX	After glow	* Loose contact in Xf01 (dynamic focus FO600 and main board)
	FX	Horizontal stripes, upper and lower parts distorted	* Ch21
	FX	Picture jumps vertically (often when channel is changed)	* Deflection processor TDA9151 (in Feature box)
	FX	Lower half of picture black	* Deflection processor TDA9151 (in Feature box)
	FX	29" / EW-correction fault	* Check Ck29 (4µ7), Mk3 (FM2544), rs4 (120k)
	FX	Picture blinks (brightness varies), then goes black	* Ct23 (330nF)
	FX	With high brightness: hor stripes, "zigzag" upper/lower edge	* Ck31 (220nF)
	FX	Noisy ("snow") picture	* Capacitor cf8 (location : µC pin 32, AGC output)
	FX	Luminance signal is missing	* ct19 (47nF) broken
	FS,FX	No teletext, no OSD, black numbers on black background	* Zener Dr1 (3V3)
21.06.00	FX	"Zigzag" in picture / goes sometimes to stby, after 10 min ok	* Capacitor Co33 (100uF)
<b>Faults appeared in the sound</b>			
	FS	No sound on RF-channels, via scart ok	* Audio IF amp/demod ICL1 (TDA6050A)
	FX	Volume insufficient, bass/treble/bal do not control	* Sound processor ICa2 (MSP3410)

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<b>No picture</b>			
	FS	No picture, no nothing	* F1, Ro16-17, Co6-9
	FS	Does not start, stby led gets dark in 2-3 sec	* Check Co31 (solderings) * Check solderings of Ck26
	FS	Does not start, no light in stby led	* Microcontroller ICf3 (SDA30C163)
	FS	No picture	* Vertical amp ICs1 (TDA8350)
	FX	No picture, no EHT	* Deflection processor TDA9152 (in Feature box)
	FX	No picture	* Vertical amp ICs1 (TDA8350). Install protection kit 8871 9047 (includes 8871 9046 + TDA8350)
	FX	Does not start	* Do11 (use BYM36D) * co26 (100n SMD)
	FS,FX	No picture, no EHT	* Check H-driver + output transistors, * Check S-correction + flyback capacitors, * Check deflection route solderings in Hor deflection stage
	FS,FX	Does not start	* Check SCL-line, Tq7 and Tq8
28.09.99	FS	No picture, sound ok, very intermittent fault	* Check solderings of capacitor Ck14
<b>Other</b>			
	FS	Picture disappears, sound remains	* Tk1, Tk2, Ck13
	FS	After switching on, TV drops to Stby	* Solderings of ICo3 / ICo6, Megatext (short circuit in 5Vr line)
	FX	Power supply is switched off in standby mode	* Change ro10 to 560R (old value is 680R)
	FX	Interference in picture, vert lines vibrate, power supply chirps	* Look Service Bulletin Feature Plus 97-006
	FS,FX	Few seconds after switching on, no RC/LC control operations	* Crystal Za1 (MSP blocks data line)
	FS,FX,FP	Malfunctions, gets blocked, no operations of remote/txt, etc.	* If Megatext is version C22, change for C24 (and remove rd48 (FS), rr8 (FX), rr9 (FP))