

13 – SERVICE FUNCTION

Parameter	Description	Default BG	Defaul t	Defaul t
		4:3	BG, L 4:3	BG, I 4:3
AG	AGC take-over point	15	15	15
IF	IF-PLL adjustment	70	70	70
IFL1	IF-PLL L' adjustment	—	—	—
HSH	Shift H	32	32	32
HPA	Parallelogram H	32	32	32
HBO	Bow H	32	32	32
BLE	Low light colour temperature adjustment	88	88	88
VS	Vertical centering adjustment	32	32	32
VA	Amplitude V	32	32	32
VSD	Disable Scanning V	off	off	off
VSH	Shift V	32	32	32
SC	Correction S	20	20	20
EW16	Amplitude H 16/9	32	32	32
PW16	Parabola amplitude 16:9	32	32	32
CPU16	Adjusting the top of the parabola 16/9	32	32	32
CPL16	Adjusting the bottom of the parabola 16/9	32	32	32
TC16	Tilt adjustment 16/9	32	32	32
EW4	Amplitude adjustment H 4/3	32	32	32
PW4	Parabola amplitude 4/3	32	32	32
CPU4	Adjusting the top of the parabola 4/3	32	32	32
CPL4	Adjusting the bottom of the parabola 4/3	32	32	32
TC4	Tilt adjustment 4/3	32	32	32
WR	Red temperature adjustment	32	32	32
WG	Green temperature adjustment	32	32	32
WB	Blue temperature adjustment	32	32	32
Ys	Luma Delay adjustment for SECAM	32	32	32
Yn	Luma Delay adjustment for NTSC	32	32	32
Yp	Luma Delay adjustment for PAL	32	32	32
Yo	Y-delay adjustment for external sources	32	32	32
CL	Cathode drive level	07	07	07
RGB-B	RGB-Brightness	07	07	07
HSH RGB	Shift H adjustment for AV1 RGB	35	35	35

OSD-MODE	Menu choice switch on/off	00	00	00
Op1	Option Byte n.1	C1	C1	C5
	▪ 1: PAL-BG enable	1	1	1
	▪ 1: PAL-DK enable	0	0	0
	▪ 1: PAL-I enable	0	0	1
	▪ 1: PAL-M enable	0	0	0
	▪ 1: PAL-N enable	0	0	0
	▪ 1: NTSC-M enable	0	0	0
	▪ 1: NTSC 4.43MHz enable	1	1	1
	▪ 1: SECAM-BG enable	1	1	1
Op2	Option Byte n.2	74	76	74
	▪ 1: SECAM-DK enable	0	0	0
	▪ 1: SECAM-L enable	0	1	0
	▪ Tn 3Bands	1	1	1
	1: 3-band tuning; 0: only UHF			
	▪ Tn Freq	0	0	0
	0: tuning by channel; 1: tuning by frequency			
	▪ AV2 1: 2 nd SCART enable	1	1	1
	▪ AV2S 1: 2 nd SCART S-VHS enable	1	1	1
	▪ AV3 1: RCA (cinch) input enable	1	1	1
	▪ Tn ATS 1: Start ATS at first switch on	0	0	0
Op3	Option Byte n.3	58	58	58
	▪ Tx TOP 1: TXT TOP enable	0	0	0
	▪ Vblank 1: Video Blanking at progr. change	0	0	0
	▪ HP 1: stereo head phones menu enable	0	0	0
	▪ BKS 1: Black Stretch enable	1	1	1
	▪ 1: Volume bar enabled	1	1	1
	▪ No Stby	0	0	0
	1: the TV turns on without going into stand-by; 0: the TV turns on in stand-by			
	▪ Lock 1: Programme lock enable	1	1	1
	Hotel 1: Hotel Mode (tuning disabled, volume limited)	0	0	0
Op4	Option Byte n.4	30	30	30
	▪ 16:9 1: tube 16:9 ; 0: tube 4:3	0	0	0
	▪ ZOOM 1: 4:3, 16:9, Zoom enabled	0	0	0
	▪ RGB All 0: RGB enabled only in AV1 input; 1: RGB enabled in all programmes	0	0	0

	▪ PIP 1: PIP enable (with the PIP card mounted)	0	0	0
	▪ NVM WP 1: NVM enables protection of the memory in writing	1	1	1
	▪ Hi-Fi 1: enables “Hi-Fi” and “Hi-Fi permanent”	1	1	1
	▪ VD 1: Virtual Dolby enabled	0	0	0
	▪ VG-Check (<i>Not modifiable</i>)	0	0	0
Op5	Option Byte n.5	00	00	00
	▪ Sr Fact 1: Enables the fast “Factory service”. Enter service by pressing the “?” on the remote	0	0	0
	▪ Sr NVM Rs 1: “INIT” with NVM loading with default values including channels; 0: loads default values without channels	0	0	0
	▪ UOC HCO (<i>Not modifiable</i>)	0	0	0
	▪ Tx BS0 TXT Basic Set selection	0	0	0
	▪ Tx BS1 TXT Basic Set selection	0	0	0
	▪ TS0 TXT Twist Set selection	0	0	0
	▪ TS1 TXT Twist Set selection	0	0	0
	• TEN TXT Twist character enable	0	0	0
Op6	Option Byte n.6	00	00	00
	▪ NOT0 TXT National Option Table selection	0	0	0
	▪ NOT1 TXT National Option Table selection	0	0	0
	▪ NOT2 TXT National Option Table selection	0	0	0
	▪ NOT3 TXT National Option Table selection	0	0	0
	▪ TC0 TXT National Option Group selection	0	0	0
	▪ TC1 TXT National Option Group selection	0	0	0
	▪ TC2 TXT National Option Group selection	0	0	0
	▪ EW TXT East-West Table selection	0	0	0
TSL	Start low band frequency in MHz	45	45	45
TEL	End low band frequency	160	160	160
TSM	Start medium band frequency	160	160	160
TEM	End medium band frequency	440	440	440
TSH	Start high band frequency	440	440	440
THE	End high band frequency	863	863	863
TBL	Value necessary for tuning the low band	A1 _{hex}	A1 _{hex}	A1 _{hex}
TBM	Value necessary for tuning the medium band	92 _{hex}	92 _{hex}	92 _{hex}

TBH	Value necessary for tuning the high band	34 _{hex}	34 _{hex}	34 _{hex}
STEPSIZES	-	0	0	0
STEPDELAYS	-	0	0	0
VOL MAX	Maximum value with TV in "Hotel Mode"	0	63	63
INIT TWIST	Initialisation			
01.0.07				

Direct selection using the numbers from 0 to 9 on the remote:

<0>	AG	AGC intervention point
<1>	IF	Selection IF
<2>	VS	Vertical Slope
<3>	EW16	East west amplitude 16:9
<4>	EW4	East west amplitude 4:3
<5>	WR	Amplification of the Red channel
<6>	Ys	Y-delay for SECAM
<7>	Op1	Option byte 1
<8>	TSL	Start low band frequency in MHz
<9>	INIT	Initialisation NVM