

OPTION SETTINGS

Select concerned OPTION from service menu. To change a bit on selected option press the same number from remote controller. So this bit will be changed from 1 to 0 or from 0 to 1. If any option is selected on service menu you will see an indicator row shows you the bit numbers.

OP1 Peripheral Options		
		NOTE
BIT-7	NOT USED	0 default value
BIT-6	1, Display "AV-3" as "F-AV" 0, Display "AV-3" as "B-AV"	FAV or BAV IN selection option
BIT-5	1, Turn back TV mode after the last AV (with AV key) 0, Turn back first AV mode after the last AV	
BIT-4	1, SVHS is available in AV key stream 0, SVHS is NOT available in AV key stream	1, if AV-2 is selected
BIT-3	1, RGB is available in AV key stream 0, RGB is NOT available in AV key stream	1, if AV-1 is selected
BIT-2	1, AV-3 is available in AV key stream 0, AV-3 is NOT available in AV key stream	1, if FAV-IN or BAV-IN available
BIT-1	1, AV-2 is available in AV key stream 0, AV-2 is NOT available in AV key stream	
BIT-0	1, AV-1 is available in AV key stream 0, AV-1 is NOT available in AV key stream	

OP2 Reception Standard Options		
		NOTE
BIT-7	1, 3-button keyboard (V-, P+, V+) 0, 4/5 button keyboard (V-, V+, P-, P+, Menu)	0, default value
BIT-6	1, L/L' is available 0, L/L' is not available	
BIT-5	1, I is available 0, I is not available	
BIT-4	1, DK is available 0, DK is not available	
BIT-3	1, BG is available 0, BG is not available	
BIT-2	RESERVED (Keep as "0")	0, default value
BIT-1	RESERVED (Keep as "0")	0, default value
BIT-0	RESERVED (Keep as "0")	0, default value

OP3 Video Options		
		NOTE
BIT-7 BIT-6	Xtal Configuration 00, 1 Xtal PAL 4.43 01, 2 Xtal PAL/NTSC 4.43/3.58 10, 1 Xtal PAL/SEC/NTSC 4.43 11, 2 Xtal PAL/SEC/NTSC 4.43/3.58	
BIT-5	1, Enable Blue back when no signal in AV mode 0, blank back when no signal in AV mode	1, default value
BIT-4	1, White Insertion is ON 0, White Insertion is OFF	1, default value
BIT-3	1, Blue Background when no signal in TV mode 0, Disable Blue Background in TV mode	
BIT-2	1, Semi-transparent background for OSD 0, Solid Menu background for OSD	1, default value
BIT-1	1, Black Stretch is ON 0, Black Stretch is OFF	0, default value
BIT-0	1, APR is ON 0, APR is OFF	1, default value

OP4 TV Features		NOTE
BIT-7	1, Headphone is available (for STEREO models) 0, Headphone is not available	
BIT-6	1, Arabic/Persian is available in menu languages 0, Arabic/Persian is not available in menu languages	
BIT-5	1, Hebrew is available in menu languages 0, Hebrew is not available in menu languages	
BIT-4	1, Hotel Mode can be activated 0, Hotel Mode can not be activated	
BIT-3	1, No Signal Timer is enabled 0, No Signal Timer is disabled	5min. countdown and switch off when no signal
BIT-2	1, Frequency based search for PLL tuner 0, Channel table based search for PLL tuner no meaning for VST tuner	
BIT-1	1, 3-band tuning (VHF1, VHF3, UHF) 0, 1-band tuning (only UHF)	1, default value
BIT-0	1, Extra 200 msec blanking for VST 0, no extra blanking	1, default value

OP5 Channel Tables		NOTE
BIT-7	1, Extra 150 msec blanking more for VST 0, no extra blanking	1, default value
BIT-6	1, "Programme" item in AUTOSTORE menu is visible 0, "Programme" item in AUTOSTORE menu is invisible	1, default value
BIT-5	NOT USED	0, default value
BIT-4	1, French OS Channel Table is available 0, French OS Channel Table is not available	1, when L/L' is available
BIT-3	1, French Channel Table is available 0, French Channel Table is not available	1, when L/L' is available
BIT-2	1, England Channel Table is available 0, England Channel Table is not available	1, when I/I' is available
BIT-1	1, East Europe Channel Table is available 0, East Europe Channel Table is not available	1, when B/G is available
BIT-0	1, West Europe Channel Table is available 0, West Europe Channel Table is not available	1, when DK is available

TX1 Teletext Options		NOTE
BIT-7	NOT USED	0, default value
BIT-6	RESERVED (must be 0)	0, default value
BIT-5 BIT-4 BIT-3	5 4 3 Teletext Language Groups 000, Group 1 West (English, French, Swedish, Czech, German, Portuguese, Italian, Rumanian) 001, Group 2 West/East (Polish, French, Swedish, Czech, German, Serbian, Italian, Rumanian) 010, Group 3 West/Turkish (English, French, Swedish, Turkish, German, Portuguese, Italian, Rumanian) 011, Group 4 East/Cyrillic (English, Cyrillic, Swedish, Czech, German, Serbian, Lettish, Rumanian) 100, Group 5 Arabic (English, French, Swedish, Turkish, German, Hebrew, Italian, Arabic)	
BIT-2 BIT-1 BIT-0	2 1 0 Device type selection 000, EPROM M6 A 001, ROM H5 P 010, ROMLESS H5 P 011, EPROM M6 R 100, ROM M6 R 101, OSDEPROM M6 R 110, ROM M6 P 111, Read Auto Gain Table for the device from EEPROM	101, default value

TUNER SETTING

	VHF1-VHF3 Frq. (Mhz)	VHF3-UHF Frq.(Mhz)	AK30 SERVICE MENU ITEMS					
			F1H	F1L	F2H	F2L	BS1	BS2
Philips UV1316S MK3	156,25 MHz	441,25 MHz	00001100	00110010	00011110	00000010	00000001	00000010
Thomson CTT5020	114,25 MHz	401,25 MHz	00001001	10010010	00011011	10000010	00000011	00000110
Samsung TECC2949PG28B	170,25 MHz	465,25 MHz	00001101	00010010	00011111	10000010	00000001	00000010
Samsung TECC2949PG35B	170,25 MHz	449,25 MHz	00001101	00010010	00011110	10000010	00000001	00000010
Alps TEDE9X226A	142,25 MHz	425,25 MHz	00001011	01010010	00011101	00000010	00000001	00000010
Alps TEDE9-004A	149,25 MHz	424,25 MHz	00001011	11000010	00011100	11110010	00000001	00000010

Explanations	
F1H	High byte of VHF1-VHF3 cross-over frequency
F1L	Low byte of VHF1-VHF3 cross-over frequency
F2H	High byte of VHF3-UHF cross-over frequency
F2L	Low byte of VHF3-UHF cross-over frequency
BS1	Band switching byte for VHF1
BS2	Band switching byte for VHF3
BS3	Band switching byte for UHF
CB	Control byte

NOTE : In case of an EEPROM defect you do not need an original MASTER EEPROM to run the TV again. Because of AK30 chassis works with an unprogrammed EEPROM. (Even without an EEPROM) In such kind of case service staff has the same type on the chassis and adjust all the options according to MANUAL ADJUSTMENT PROCEDURE !