

# **AK 19**

***GLOBAL TV***

**SDA 5255 - A045 C41**

# **BORDO**

**VST/PLL Tuner**

**Mono/Stereo**

**Fast/Toptext ( Cyrillic )**

# OPTION & ADJUST

## Setting Tables

### OPTION 00

B7: Ina = x

B6: Inb = x

B5: Inc = x

B4: Akb = 0

B3: Foa = x

B2: Fob = x

B1: Xa = Note 1

B0: Xb = Note 1

### Note 1:

Xa,Xb

1,0 : Pal BG, Pal DK, Pal I/I+, Secam BG, Secam DK, Secam L/L', Secam K1

Pin 34 : No crystal

Pin 35 : 4.43

1,1 : Pal BG, Pal DK, Pal I/I+, Secam BG, Secam DK, Secam L/L', Secam K1, Pal M/N, Ntsc M

Pin 34 : 3.58

Pin 35 : 4.43

**OPTION 01**

B7: Frf = 1

B6: Frs = 1

B5: Dl = x

B4: Stb = x

B3: Poc = x

B2: Cm2 = x

B1: Cm1 = x

B0: Cm0 = x

**OPTION 02**

B7: Oso = 0

B6: Vsd = 0

B5: Cb = 0

B4: Bls = 0

B3: Bks = 0

B2: Ie1 = x

B1: Afw = x

B0: Bb = 0

**OPTION 03**

B7: Hob = x

B6: Bps = 0

B5: Acl = x

B4: Cmb = note 1

B3: Ast = x

B2: Cl2 = 1

B1: Cl1 = 0

B0: Cl0 = 0

**note 1:**

0 = Comb filter disabled

1 = Comb filter enabled

**OPTION 04**

B7: Ifs = x

B6: Mod = x

B5: Vsw = x

B4: Sm = x

B3: Ds = 0

B2: Dsa = 0

B1: Fav = 0

B0: Lfa = x

**OPTION 05**

B7: Avl = note 1

B6: Hbl = x

B5: Vim = x

B4: Gai = note 2

B3: Nci = x

B2: Stm = x

B1: Vid = x

B0: Lbm = 0

**note 1:**

0 = Stereo models (AVL from Stereo IC - TDA9870/5)

1 = Mono models (AVL from Decoder IC - TDA884X)

**note 2:**

0 = CTI disabled

1 = CTI available

**OPTION 06**

B7: Hco = x

B6: Evg = 1

B5: Sbl = 1

B4: Prd = x

B3: Mat = note 1

B2: Rbl = x

B1: Cor = x

B0: Aen = x

**note 1:**

0 = If only PAL

1 = Else

**OPTION 07**

B7: b7 = x

B6: b6 = x

B5: b5 = x

B4: cl = note 1

B3: b3 = x

B2: l2 = note 2

B1: l1 = note 2

B0: l0 = note 2

**note 1 :**

1 : Child Lock Active

0 : Child Lock Not Active

**note 2 :**

000 : English

001 : Russian

010 : Polish

011 : Czechian

100 : Hungarian

101 : Serbian

**OPTION 08**

B7: b7 = x

B6: t0 = note 1

B5: if I = note 2

B4: if DK = note 3

B3: if MN = note 4

B2: b2 = x

B1: hp = note 5

B0: hue = note 6

**note 1 :**

1 : VST tuner

0 : PLL tuner

**note 2 :**

1 : IF I = 38.9 MHz

0 : = 39.5 MHz

**note 3 :**

1 : IF DK = 38.9 MHz

0 : = 38.0 MHz

**note 4:**

1: IF MN = 38.9 MHz

0: = 45.75 MHz

**note 5:**

1: Headphone enabled

0: disabled

**note 6 :**

1 : Hue enabled

0 : disabled

**OPTION 09**

B7: NM = note 1

B6: PN = note 1

B5: PM = note 1

B4: K1 = note 1

B3: L/L' = note 1

B2: I/I+ = note 1

B1: DK = note 1

B0: BG = note 1

**note 1 :**

1 : Standard enabled

0 : Standard disabled

**OPTION 10**

B7: b7 = x

B6: b6 = x

B5: b5 = x

B4: comb = note 1

B3: svhs = note 2

B2: front = note 3

B1: scart2 = note 4

B0: scart1 = note 5

**note 1:**

1 : Comb filter available

0 : Comb filter not supported

**note 2:**

1 : S-VHS available

0 : S-VHS not supported

**note 3:**

1 : Front/Back AV supported

0 : Front/Back AV not supported

**note 4:**

1 : Scart 2 supported

0 : Scart 2 not available

**note 5:**

1 : Scart 1 supported

0 : Scart 1 not available

**OPTION 11**

B7: b7 = note 1

B6: b6 = note 1

B5: b5 = note 1

B4: b4 = note 1

B3: b3 = note 1

B2: b2 = note 1

B1: b1 = note 1

B0: b0 = note 1

**note 1 :**

PLL tuner control 1 byte

		b7	b6	b5	b4	b3	b2	b1
Philips	UV1316MK2	1	0	0	0	1	1	1
Alps	TELE9X062A	1	0	0	0	1	1	1
Samsung	TEXX2949PG28A	1	0	0	0	1	1	1
Siel	PT060	1	0	0	0	1	1	1
Temic	5001PH5-3X0003	1	0	0	0	1	1	1
Thomson	CTT5020	1	0	0	0	1	1	1

**OPTION 12**

B7: b7 = note 1

B6: b6 = note 1

B5: b5 = note 1

B4: b4 = note 1

B3: b3 = note 1

B2: b2 = note 1

B1: b1 = note 1

B0: b0 = note 1

**note 1 :**

PLL tuner control 2 low byte



		b7	b6	b5	b4	b3	b2	b1	b0
Philips	UV1316MK2	1	0	1	0	0	0	0	1
Alps	TELE9X062A	0	0	0	0	0	0	0	1
Samsung	TEXX2949PG28A	0	0	0	0	0	0	0	1
Siel	PT060	0	1	1	0	0	0	0	0
Temic	5001PH5-3X0003	0	0	0	0	0	0	1	0
Thomson	CTT5020	0	0	0	0	0	0	1	1

**OPTION 13**

B7: b7 = note 1

B6: b6 = note 1

B5: b5 = note 1

B4: b4 = note 1

B3: b3 = note 1

B2: b2 = note 1

B1: b1 = note 1

B0: b0 = note 1

**note 1 :**

PLL tuner control 2 mid byte

		b7	b6	b5	b4	b3	b2	b1	b0
Philips	UV1316MK2	1	0	0	1	0	0	1	0
Alps	TELE9X062A	0	0	0	0	0	0	1	0
Samsung	TEXX2949PG28A	0	0	0	0	0	0	1	0
Siel	PT060	0	1	0	1	0	0	0	0
Temic	5001PH5-3X0003	0	0	0	0	0	1	0	0
Thomson	CTT5020	0	0	0	0	0	1	1	0

**OPTION 14**

B7: b7 = note 1

B6: b6 = note 1

B5: b5 = note 1

B4: b4 = note 1

B3: b3 = note 1

B2: b2 = note 1

B1: b1 = note 1

B0: b0 = note 1

**note 1 :**

PLL tuner control 2 high byte

		b7	b6	b5	b4	b3	b2	b1	b0
Philips	UV1316MK2	0	0	1	1	0	1	0	0
Alps	TELE9X062A	0	0	0	0	1	0	0	0
Samsung	TEXX2949PG28A	0	0	0	0	1	0	0	0
Siel	PT060	0	0	1	1	0	0	0	0
Temic	5001PH5-3X0003	0	0	0	0	0	0	0	1
Thomson	CTT5020	1	0	0	0	0	1	0	1

**OPTION 15**

B7: b7 = note 1

B6: b6 = note 1

B5: b5 = note 1

B4: b4 = note 1

B3: b3 = note 1

B2: b2 = note 1

B1: b1 = note 1

B0: b0 = note 1

**note 1 :**

PLL tuner VHF LOW - VHF HIGH crossover low byte

		b7	b6	b5	b4	b3	b2	b1	b0	
Philips	UV1316MK2	0	0	0	0	1	0	1	0	(0Ahex)
Alps	TELE9X062A	0	0	0	0	0	0	0	0	
Samsung	TEXX2949PG28A	0	0	0	0	0	0	0	0	
Siel	PT060	0	0	0	0	0	0	0	0	
Temic	5001PH5-3X0003	0	0	0	0	0	0	0	0	
Thomson	CTT5020	1	0	1	0	1	0	1	0	(AAhex)

**OPTION 16**

B7: b7 = note 1

B6: b6 = note 1

B5: b5 = note 1

B4: b4 = note 1

B3: b3 = note 1

B2: b2 = note 1

B1: b1 = note 1

B0: b0 = note 1

**note 1 :**

PLL tuner VHF LOW - VHF HIGH crossover high byte

		b7	b6	b5	b4	b3	b2	b1	b0
Philips	UV1316MK2	0	0	0	0	1	1	0	0 (0Chex)
Alps	TELE9X062A	0	0	0	0	0	0	0	0
Samsung	TEXX2949PG28A	0	0	0	0	0	0	0	0
Siel	PT060	0	0	0	0	0	0	0	0
Temic	5001PH5-3X0003	0	0	0	0	0	0	0	0
Thomson	CTT5020	0	0	0	0	1	0	0	1 (09hex)

**OPTION 17**

B7: b7 = note 1

B6: b6 = note 1

B5: b5 = note 1

B4: b4 = note 1

B3: b3 = note 1

B2: b2 = note 1

B1: b1 = note 1

B0: b0 = note 1

**note 1 :**

PLL tuner VHF HIGH - UHF crossover low byte

		b7	b6	b5	b4	b3	b2	b1	b0
Philips	UV1316MK2	1	1	1	0	0	0	1	0 (E2hex)
Alps	TELE9X062A	0	0	0	0	0	0	0	0
Samsung	TEXX2949PG28A	0	0	0	0	0	0	0	0
Siel	PT060	0	0	0	0	0	0	0	0
Temic	5001PH5-3X0003	0	0	0	0	0	0	0	0
Thomson	CTT5020	1	0	1	0	0	0	1	0 (A2hex)

**OPTION 18**

B7: b7 = note 1

B6: b6 = note 1

B5: b5 = note 1

B4: b4 = note 1

B3: b3 = note 1

B2: b2 = note 1

B1: b1 = note 1

B0: b0 = note 1

**note 1 :**

PLL tuner VHF HIGH - UHF crossover high byte

		b7	b6	b5	b4	b3	b2	b1	b0	
Philips	UV1316MK2	0	0	0	1	1	1	1	0	(1Dhex)
Alps	TELE9X062A	0	0	0	0	0	0	0	0	
Samsung	TEXX2949PG28A	0	0	0	0	0	0	0	0	
Siel	PT060	0	0	0	0	0	0	0	0	
Temic	5001PH5-3X0003	0	0	0	0	0	0	0	0	
Thomson	CTT5020	0	0	0	1	1	0	1	1	(1Bhex)

**ADJUST 00-47**

ADJUST 00 = White Point RED

ADJUST 01 = White Point GREEN

ADJUST 02 = White Point BLUE

ADJUST 03 = AGC

ADJUST 04 = IF-PLL Negative

ADJUST 05 = IF-PLL Positive

ADJUST 06 = Y-Delay PAL

ADJUST 07 = Y-Delay SECAM

ADJUST 08 = Y-Delay NTSC

ADJUST 09 = Y-Delay OTHER

ADJUST 10 = Vertical Zoom

ADJUST 11 = Vertical Scroll

ADJUST 12 = 4:3 Horizontal Shift

ADJUST 13 = 4:3 Vertical Slope

ADJUST 14 = 4:3 Vertical Amplitude

ADJUST 15 = 4:3 S-correction

ADJUST 16 = 4:3 Vertical Shift

ADJUST 17 = 4:3 EW Width

ADJUST 18 = 4:3 EW Parabola Width

ADJUST 19 = 4:3 EW Corner Parabola

ADJUST 20 = 4:3 EW Trapezium

ADJUST 21 = 16:9 Horizontal Shift

ADJUST 22 = 16:9 Vertical Slope

ADJUST 23 = 16:9 Vertical Amplitude

ADJUST 24 = 16:9 S-correction

ADJUST 25 = 16:9 Vertical Shift

ADJUST 26 = 16:9 EW Width

ADJUST 27 = 16:9 EW Parabola Width

ADJUST 28 = 16:9 EW Corner Parabola

ADJUST 29 = 16:9 EW Trapezium

ADJUST 30 = 4:3 + Horizontal Shift

ADJUST 31 = 4:3 + Vertical Slope

ADJUST 32 = 4:3 + Vertical Amplitude

ADJUST 33 = 4:3 + S-correction

ADJUST 34 = 4:3 + Vertical Shift

ADJUST 35 = 4:3 + EW Width

ADJUST 36 = 4:3 + EW Parabola Width

ADJUST 37 = 4:3 + EW Corner Parabola

ADJUST 38 = 4:3 + EW Trapezium

ADJUST 39 = 16:9 + Horizontal Shift

ADJUST 40 = 16:9 + Vertical Slope

ADJUST 41 = 16:9 + Vertical Amplitude

ADJUST 42 = 16:9 + S-correction

ADJUST 43 = 16:9 + Vertical Shift

ADJUST 44 = 16:9 + EW Width

ADJUST 45 = 16:9 + EW Parabola Width

ADJUST 46 = 16:9 + EW Corner Parabola

ADJUST 47 = 16:9 + EW Trapezium