

# AK 19

## *GLOBAL TV*

**SDA 5255 - A046 C34**

**SDA 5255 - A047 C34**

**SDA 5255 - A058 C34**

**SDA 5255 - A059 C34**

**SDA 5255 - A072 C34**

**SDA 5255 - A073 C34**

# BORDO

**PLL Tuner**

**Mono/German Stereo/Nicam Stereo**

**Fastext/Toptext**

**A.P.S.**

**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 = note1

B0: Xb = note1

### note 1:

Xa,Xb

0,1 : Pal M, Pal N, Ntsc M

Pin 34 : 3.58 (1, 2 or 3 crystals)

Pin 35 : No crystal

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 crystal)

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

Pin 34 : 3.58 (1, 2 or 3 crystals)

Pin 35 : 4.43 (1 crystal)

### **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 = note 1

B6: Bps = 0

B5: Acl = x

B4: Cmb = note 2

B3: Ast = x

B2: Cl2 = 1

B1: Cl1 = 0

B0: Cl0 = 0

### **note 1:**

0 = Pal+ helper output blanking disabled

1 = Pal+ helper output blanking enabled

**note 2:**

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 = 0

B6: Hbl = x

B5: Vim = x

B4: Gai = note 1

B3: Nci = x

B2: Stm = x

B1: Vid = x

B0: Lbm = 0

**note 1:**

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 = note 2

**note 1:**

0 = If only PAL

1 = Else

**note 2:**

0 = APS diasbled >> Preset

1 = APS enabled >> APS

**OPTION 07**

B7: C3 = note 1

B6: C2 = note 1

B5: C1 = note 1

B4: C0 = note 1

B3: CL = note 2

B2: Tr = note 3

B1: L1 = note 4

B0: L0 = note 4

**note 1:**

C3,C2,C1,C0 = Country

0,0,0,0 = ? Not allowed

0,0,0,1 = D Germany

0,0,1,0 = A Austria

0,0,1,1 = CH Switzerland

0,1,0,0 = I Italy

0,1,0,1 = F France

0,1,1,0 = B Belgium

0,1,1,1 = DK Denmark

1,0,0,0 = S Sweden

1,0,0,1 = N Norway

1,0,1,0 = SF Finland

1,0,1,1 = GB Great Britain

1,1,0,0 = NL Netherlands

1,1,0,1 = P Portugal

1,1,1,0 = E Spain

1,1,1,1 = TR Turkey

**note 2:**

CL = Child Lock

0 = Off

1 = On (Active)

**note 3:**

Tr = Turkish Language

0 = Disabled (3 Languages : English, German, French)

1 = Enabled (4 Languages : English, German, French, Turkish)

**note 4:**

L1,L0 = Language

0,0 = English ( SDA5255-A046-A047 C34)

0,1 = German

1,0 = French

1,1 = Turkish

0,0 = English ( SDA5255-A058-A0772 C34)

0,1 = Spanish

1,0 = Portuguese

1,1 = Italian

0,0 = English ( SDA5255-A059-A073 C34)

0,1 = German

1,0 = Danish

1,1 = Swedish

**OPTION 08**

B7: Tub = note 1

B6: Z.Def = note 2

B5: IfD = note 3

B4: IfI = note 4

B3: IfM = note 5

B2: Aps = note 6

B1: Hp = note 7

B0: Hue = note 8

**note 1:**

Tub

0 = 16:9 Tube size

1 = 4:3 Tube size

**note 2:**

Z.Def

0 = 16:9 mode default

1 = 4:3 mode default

**note 3:**

IfD

0 = IF DK 38.0 MHz

1 = IF DK 38.9 MHz

**note 4:**

IfI

0 = IF I 39.5 MHz Great Britain I , Only UHF Tuner

1 = IF I 38.9 MHz Ireland I+ , Standard Tuner

**note 5:**

IfM

0 = IF M,N 45.75 MHz S&N American Models , Tuner UV1336 (Only Pal M/N, Ntsc M)

1 = IF M,N 38.9 MHz Euro M,N Models , Standard Tuner

**Note 5:**

Aps

0 = A.P.S. done

1 = A.P.S. set

**note 6:**

Hp

0 = No headphone

1 = Headphone available

**note 7:**

Hue

0 = No hue

1 = Hue available

### **OPTION 09**

B7: NM = note 1

B6: PN = note 1

B5: PM = note 1

B4: K1 = note 1

B3: L = note 1

B2: I = note 1

B1: DK = note 1

B0: BG = note 1

#### **note 1:**

0 = Standard not supported

1 = Standard available

### **OPTION 10**

B7: Cine = note 1

B6: WEu = note 2

B5: E/T = note 2

B4: Com = note 3

B3: SvH = note 4

B2: Fro = note 5

B1: Sc2 = note 6

B0: Sc1 = note 7

#### **note 1:**

0 = Cinema Mode Not Supported

1 = Cinema Mode Enable

#### **note 2:**

Weu,E/T Teletext character set table selection

0,0 = West Europe + Turkish

0,1 = East Europe

1,0 = West Europe

1,1 = West Europe

**note 3:**

0 = Comb filter not supported

1 = Comb filter available

**note 4:**

0 = S-VHS not supported

1 = S-VHS available

**note 5:**

0 = Front/Back AV (AV-3) not supported

1 = Front/Back AV (AV-3) available

**note 6:**

0 = Scart 2 not supported

1 = Scart 2 available

**note 7:**

0 = Scart 1 not supported

1 = Scart 1 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	b0
Philips	UV1316MK2	1	0	0	0	1	1	1	0
Alps	TELE9X062A	1	0	0	0	1	1	1	0
Samsung	TEXX2949PG28A	1	0	0	0	1	1	1	0
Siel	PT060	1	0	0	0	1	1	1	0
Temic	5001PH5-3X0003	1	0	0	0	1	1	1	0
Thomson	CTT5020	1	0	0	0	1	1	1	0

## 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 00-42**

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 = 4:3 Vertical Zoom

ADJUST 11 = 4:3 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 Vertical Zoom

ADJUST 22 = 16:9 Vertical Scroll

ADJUST 23 = 16:9 Horizontal Shift

ADJUST 24 = 16:9 Vertical Slope

ADJUST 25 = 16:9 Vertical Amplitude

ADJUST 26 = 16:9 S-correction

ADJUST 27 = 16:9 Vertical Shift

ADJUST 28 = 16:9 EW Width

ADJUST 29 = 16:9 EW Parabola Width

ADJUST 30 = 16:9 EW Corner Parabola

ADJUST 31 = 16:9 EW Trapezium

ADJUST 32 = Cinema Vertical Zoom

ADJUST 33 = Cinema Vertical Scroll

ADJUST 34 = Cinema Horizontal Shift

ADJUST 35 = Cinema Vertical Slope

ADJUST 36 = Cinema Vertical Amplitude

ADJUST 37 = Cinema S-correction

ADJUST 38 = Cinema Vertical Shift

ADJUST 39 = Cinema EW Width

ADJUST 40 = Cinema EW Parabola Width

ADJUST 41 = Cinema EW Corner Parabola

ADJUST 42 = Cinema EW Trapezium