

# AK 19

## *GLOBAL TV*

### SDA 5255 - PIP 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:	DI	=	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:	le1	=	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:	lfs	=	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
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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-(19 PIP TUNER)**

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-(20 PIP TUNER)**

B7: b7 = note 1/2  
 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

**note 2 :**

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-(21 PIP TUNER)**

B7: b7 = note 1/2  
 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

**note 2 :**

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	1 1 0 1 0 0 0 0
Temic	5001PH5-3X0003	0 0 0 0 0 0 1 0 0
Thomson	CTT5020	0 0 0 0 0 1 1 0

**OPTION 14-(22 PIP TUNER)**

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

### OPTION 15-(23 PIP TUNER)

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

Philips	UV1316MK2	0 0 0 0 1 0 1 0	(0A hex)
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 1 0 1 0	
Temic	5001PH5-3X0003	0 0 0 0 0 0 0 0	
Thomson	CTT5020	1 0 1 0 1 0 1 0	(AA hex)

### OPTION 16-(24 PIP TUNER)

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 :**

PIL 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	(0C hex)
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	1	1	0	1	
Temic	5001PH5-3X0003			0	0	0	0	0	0	0
Thomson	CTT5020	0	0	0	0	1	0	0	1	(09 hex)

### OPTION 17-(25 PIP TUNER)

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									(E2 hex)
Alps	TELE9X062A	0	0	0	0	0	0	0	0									
Samsung	TEXX2949PG28A	0	0	0	0	0	0	0	0									
Siel	PT060	1	0	1	0	0	1	0	0									
Temic	5001PH5-3X0003				0	0	0	0	0	0	0	0	0	0	0	0		
Thomson	CTT5020	1	0	1	0	0	0	1	0									(A2 hex)

**OPTION 18-(26 PIP TUNER)**

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

Philips	UV1316MK2	0 0 0 1 1 1 1 0	(1D hex)	b7 b6 b5 b4 b3 b2 b1 b0
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 1 1 1 1 0		
Temic	5001PH5-3X0003	0 0 0 0 0 0 0 0		
Thomson	CTT5020	0 0 0 1 1 0 1 1	(1B hex)	

**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