

1. ELECTRICAL ADJUSTMENTS

1.1. Supply Voltage Adjustment

Connect a digital voltmeter to the cathode of diode D611 at the AV1 mode of the TV and set the screen voltage to the minimum with the screen potentiometer. Adjust the main supply voltage (B+) with P601 potentiometer to the following value (after adjustment, readjust Screen voltage).

21" Pure Flat	: 132 VDC
25"	: 145 VDC
28"	: 145 VDC (147 VDC for A66EAK071X11)
28" Pure Flat 16/9	: 140 VDC
28" Super Flat 16/9	: 140 VDC
29" Pure Flat	: 125 VDC
29" Super Flat	: 125 VDC
32" Pure Flat 16/9	: 140 VDC
32" Super Flat 16/9	: 131 VDC
33"	: 158 VDC

2. SERVICE ADJUSTMENTS

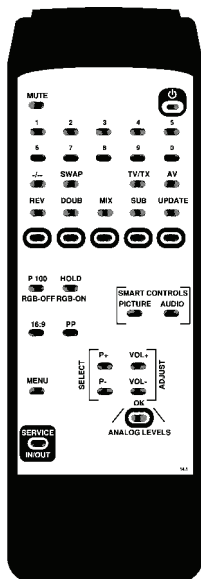
You need the special service remote control to enter and exit the service menu of the TV (you can order it from the manufacturer). All buttons of the Service RC are same with the user remote control, only service menu In / Out is added to it (please see the picture below).

Navigation

Service In/Out : Enters to / exits from the Service Menu

P+ / P- : Moves upward / downward inside the menu

V+ / V- : Changes the values or options



2.1. AGC Adjustment

- Apply an RF signal with amplitude 70 ± 1 dBuV to the antenna input of TV with a pattern generator (switch sound carrier to Off and switch "Video Ext" to On).
- Switch on the Service Menu with the Service RC and find the AGC with P+ / P- buttons. Measure the 38.9 MHz signal on pin 11 (IF) of Tuner with an oscilloscope.
- Adjust "AGC" to get following values:
 - PAL BG, PAL SECAM BG, PAL SECAM BG-DK, PAL I versions : 840 ± 20 mVpp
 - PAL SECAM BG-LL version : 600 ± 20 mVpp
 - PAL BG MONO, PAL SECAM BG MONO : 750 ± 20 mVpp
 - PAL I MONO : 900 ± 20 mVpp
- Subtract 5 from "AGC" value and change "TEST" to this value.
- Exit from the service menu with the Service RC.