

# F19

## SERVICE MODE

# F19 REMOTE CONTROL



**For the description of the use of the TV make use of the Instruction Manual**

## **Service mode**

As already mentioned in the summary the remote control can be used to set all parameter and to adjust the TV set without to open the back cover.

There are two ways to enter the "SERVICE MODE" that are to use the LOCAL KEYBOARD or to have a special prepared REMOTE CONTROL.

FIRST METHOD. (If the special remote control is available use the button following the indication of the Table 1

Table 1 List of command of the "SERVICE REMOTE CONTROL"

<b>BUTTON</b>	<b>RC5 Sub System</b>	<b>Decimal Code</b>	<b>Function</b>
0	0	0	Vertical Slope
1	0	1	Vertical Amplitude
2	0	2	Vertical Shift
3	0	3	Vertical S Correctio
4	0	4	Horizontal Shift
5	0	5	HorizontalAmplitude
6	0	6	E-W parabola
7	0	7	E-W Corner
8	0	8	E-W Trapezium
9	0	9	AGC
Pr +	0	32	Up Carousel of all Service Parameter
Pr -	0	33	Down Carousel of all Service Parameter
Vol +	0	16	Adjust Parameter Value (UP)
Vol -	0	17	Adjust Parameter Value (Down)
TV	0	63	Leave SERVICE MODE" without to store
MEM	0	50	Leave SERVICE MODE with store
MENU	0	53	Wred
<b>SERVICE</b>	<b>7</b>	<b>58</b>	<b>SERVICE MODE ENTER</b>

Table 2 Parameter and value to be adjusted in "SERVICE MODE"

PARAMETER	VALUE	DESCRIPTION
init ctvfor v0.6	on/ off	Default Initialization
vg2test	on/off	Cut -off adjustment
txtbri	0--63	Adjust TXT brightness
txtcon	0--63	Adjust TXT Contrast
884c04	Bit (FSU)	Increase <b>blue stretch</b> and the <b>dynamic skin</b>
884c03	Bit (FSU)	Adj. <b>acl</b> (automatic colour limiter - and <b>cathode drive level</b> .
88c02	Bit (FSU)	Adj.( <b>black stretch</b> ), <b>blue stretch</b> , and the <b>blue back</b>
optionb1	Bit (FSU)	Select TV standard and TXT character set
optionb2	Bit (FSU)	Scart type selections (
optionb3	Bit (FSU) (*)	Hotel mode setting
nicamuperror	0--63	Nicam sensitivity (upper limit)
nicamlowerror	0--63	Nicam sensitivity (Lower limit).
nicamcon	Bit (FSU)	Tda9875 CONTROL
pipcontrast	0--15	PIP Contrast control
wblue	0--63	Blue channel gain
wgreen	0--63	"Green channel gain
wred	0--63	"Red channel gain
ydelaypal	0--63	Luma chroma delay
ewtrapeze	0--63	E-W- Trapezium adjustment
ewcorner	0--63	E-W- Corner Adjustment
ewparab	0--63	E-W- Parabola Adjustment
ewwidth	0--63	Horizontal Amplitude
h-shift	0--63	Horizontal shift
s-corr	0--63	Vertical S-Correction
v-shift	0--63	Shift Vertical
v-ampl	0--63	Vertical Amplitude
v-slope	0--63	Slope Vertical
agc	0--63	AGC adjustment
if xx afc 2/3	0--63 (FSU)	Factory set up

LEGENDA: (FSU)= FACTORY SET UP (\*) REDUCE OF A QUANTITY 4 TO GET HOTEL MODE

**WARNING!! Do not change value for those parameter that are highlighted please**

### **Note 1**

If during the installation of the TV set the AUTOSTORE" method is used, it is fundamental, before to start the function, to select the name of the country as the criteria of listing the broadcasters names is fixed by EBU table that are related to the country itself. It is possible to find more channels of the same broadcaster on the Aerial. In this case the system will place first the signal having TXT with the strongest signal level than the others and finally, with the found sequence the weakest one without TXT.

### **Note 2**

To get HOTEL MODE it is necessary to enter "SERVICE MODE" and to change the parameter "optionb3". Read the original value e subtract 4 (decimal). In HOTEL MODE all tuning systems are not possible, the volume is pre fixed and the MENU from the LOCAL KEY BOARD is not accessible.

### **Note 3**

For fast programming (in case of installation of several TV set in Shops or Hotels a "Black Box" is available on request. The procedure for a quick program is as follows:

1. Install and tune all channel storing it in the program sequence you want
2. Switch off the Set with the remote control and leave it in Stand-by mode
3. Switch on the "Black Box" and connect it to Scart
4. Press the button corresponding to the chassis to be programmed and at the same time press the button "Read" for a while. (corresponding LED will be on.
5. When the LED "Write" became off (after few seconds) disconnect the "Black Box"
6. Insert the Black Box in the new TV set (in stand by condition)
7. Press F19 and "Write" buttons at same time. Corresponding "Write" LED will light
8. After few seconds when the "Write" LED will switch-off the procedure is finished .
9. Repeat points from 6 to 8 to program others TV set

<p><b><u>WARNING!!!!</u> The above procedure can be applied only to TV set specially prepared for this functions</b></p>
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Table 4 List of languages that can be reproduced as a function of the TXT characters set setting with the optionb1 (bit number 6)

WEST EUROPE CHARACTER SET LANGUAGES	EAST EUROPE CHARACTER SET LANGUAGES
ENGLISH	POLISH
GERMAN	GERMAN
SWEDISH	ESTONIA
ITALIAN	SERB-CROAT
FRENCH	CZECH
SPANISH	RUMEN
TURKISH	

Just to give an example how to set the option byte 1, 2, and 3 we can start from a TV set for BG standard, with hyperband tuner to be sold in a country using West European character set.

Looking at the table 3 Optionb1 we have the following condition:

BIT	OPTIONB1			
NUMBER	0	1	VALUE	WEIGHT
0		BG	1	1
1		L/L'	0	
2		I	0	
3		DK	0	
4		X	0	
5		X	0	
6	E.E.TXT	W.E. TXT	1	64
7		CATV	1	128

Adding the value of the last column we get 193 in decimal form and C1 in hexadecimal.  
This means that we have to choose this value (C1) for the optionb1 in service mode

If we want to change from West Europe character set to East Europe, bit 6 became 0 that is the new value is 129 (128 plus 1) that in hexadecimal format is 41

**REMEMBER TO INSERT COUNTRY TABLE**

THE SECOND METHOD to enter service mode is to use the LOCAL KEY BOARD as describe here below

1. Starting from TV off press VOLUME + on the LOCAL KEYBOARD and in the mean time switch on the TV with the mains switch
2. Within three second switch on the TV using the **"SWITCH-OFF"** button on the **Remote Control**
3. A small windows with black background and yellow characters will appear in the middle of the screen.

## PARAMETER VALUE

4. Using the Remote control, program + / - (top bottom) will change the "PARAMETER" and the VOLUME + / - (left / right) will change the value
5. Each parameter can be stored, leaving the service mode, by using the MEM (yellow) button on the remote control
6. To leave "SERVICE MODE" without to store the new value use the TV button.
7. It is not necessary to store each value one by one this means that you can change all value you need and finally leave the SERVICE MODE pressing the YELLOW button MEM.

In the Table 3 we can find all parameter and related value to be seated. Some parameter have to adjusted with a simple on-off value, others are just factory option and more others must be adjusted with value that are expressed in hexadecimal form ranging from 0 to FF (that is from 0 to 63 in decimal form ).

Table 3 represent the value to be assigned to three parameter to properly set options:

Table 3 Option by (1, 2 and 3) value and related meaning

BIT	OPTIONB1		OPTIONB2		OPTIONB3	
WEIGHT	0	1	0	1	0	1
0		BG		2° SCART		FSU
1		L/L'		MUST BE 1		BACKGROUND
2		I		CINCH	HOTEL	
3		DK		SVHS		NTSC M
4		X		RGB		UV1316
5		X		X		V. GUARD
6	E.E.TXT	W.E.TXT		X		
7		CATV		X		