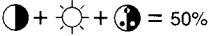
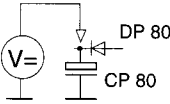
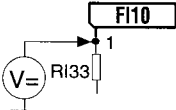
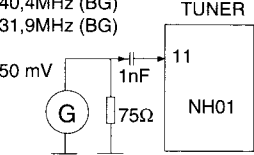
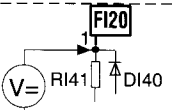
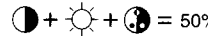
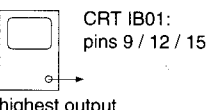
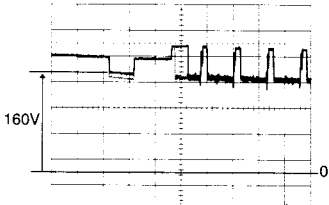


ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

U Sys	PP 64	 = 50%		<table><tr><th>Tube</th><th>Format</th><th>Usys</th><th>Jumper</th><th>RL65</th></tr><tr><td>A51EFS83X191</td><td>4:3</td><td>126V₊/-0.5V</td><td>JL80</td><td>4k7</td></tr><tr><td>A59EHJ43X15</td><td>4:3</td><td>132V₊/-0.5V</td><td>JL81</td><td>24k</td></tr><tr><td>A66EHJ43X15</td><td>4:3</td><td>132V₊/-0.5V</td><td>JL81</td><td>24k</td></tr><tr><td>A59EGD048X30</td><td>4:3</td><td>126V₊/-0.5V</td><td>JL80</td><td>4k7</td></tr><tr><td>A68EGD038X30</td><td>4:3</td><td>126V₊/-0.5V</td><td>JL80</td><td>4k7</td></tr><tr><td>A68AGAZ5X01</td><td>4:3</td><td>126V₊/-0.5V</td><td>JL80</td><td>4k7</td></tr><tr><td>A80AEJ15X01</td><td>4:3</td><td>126V₊/-0.5V</td><td>JL80</td><td>4k7</td></tr><tr><td>W56EGV023X015</td><td>16:9</td><td>138V₊/-0.5V</td><td>JL82</td><td>47k</td></tr><tr><td>W66EGV023X015</td><td>16:9</td><td>138V₊/-0.5V</td><td>JL82</td><td>47k</td></tr><tr><td>W76EGV023X015</td><td>16:9</td><td>138V₊/-0.5V</td><td>JL82</td><td>47k</td></tr></table>	Tube	Format	Usys	Jumper	RL65	A51EFS83X191	4:3	126V ₊ /-0.5V	JL80	4k7	A59EHJ43X15	4:3	132V ₊ /-0.5V	JL81	24k	A66EHJ43X15	4:3	132V ₊ /-0.5V	JL81	24k	A59EGD048X30	4:3	126V ₊ /-0.5V	JL80	4k7	A68EGD038X30	4:3	126V ₊ /-0.5V	JL80	4k7	A68AGAZ5X01	4:3	126V ₊ /-0.5V	JL80	4k7	A80AEJ15X01	4:3	126V ₊ /-0.5V	JL80	4k7	W56EGV023X015	16:9	138V ₊ /-0.5V	JL82	47k	W66EGV023X015	16:9	138V ₊ /-0.5V	JL82	47k	W76EGV023X015	16:9	138V ₊ /-0.5V	JL82	47k
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IF Alignment Alignement FI	trap 40,4Mhz FI 01	Switch set to standard BG Commuter le TV au standard BG		Adjust FI01 for minimum value at 40,4Mhz																																																							
	trap 31,9Mhz FI 02	IF Signal 40,4Mhz (BG) 31,9Mhz (BG) 		Adjust FI20 for minimum value at 31,9Mhz																																																							
U G2 / cutoff	SCREEN	 = 50% AV (no Signal, black screen)																																																									
FOCUS	FOCUS LL05	 Test pattern (standard values)		Sharp picture																																																							

I - ENTER/EXIT SERVICE MODE - ENTREE/SORTIE DU MODE SERVICE

1 ACCESSING THE SERVICE MODE

TV Control Panel Access

- Switch the TV into "Standby" mode by pressing the Standby button on the RCU.
- Switch "OFF" the mains supply to the TV and wait for the LED to extinguish.
- Whilst holding depressed the **PR** - and **VOL-** (8s), switch "ON" the mains supply to the TV.
- Once initialised, the **Main Service Menu** will appear on the screen of the TV.

Soft-Ver. V1.00-0 0080
Config. A5- - - N
Serial-No. 103465071

▶ QUIT
TUBE
SETUP
GEOMETRY
VIDEO
IF

Please Note:

In the service mode :

- The CHILD LOCK function is re-initialised. The LOCK function (PIN number) is ignored.
- All Wake-up/Sleep timer settings are CLEARED.
- SCART socket pin 8 switching voltages are ignored.
- AV-Link, WSS Detection, EPG and TELETEXT functions are disabled.
- Automatic standby mode switching functions (no signal conditions) are disabled.
- Brightness, Colour and Contrast are set to factory defaults.
- Sharpness settings are set to MID position.
- Contrast Expand is set to LOW.
- Automatic INSTALL mode is disabled.
- FORMAT and ZOOM are reset to factory defaults.

2 TEMPORARY EXIT FROM SERVICE MODE

- Press the "EXIT" button on the RCU.
- Pressing the "MENU" button on the RCU will activate the customer menus.

- The Service Menu can be re-entered by pressing the "BLUE" button on the RCU.

3 EXITING FROM SERVICE MODE

Remote Control

TV Control Panel

ON/OFF key or "Stand-by" buttons

- Select the "QUIT" line of the "Main Service Menu".

- Press "<<," "OK" or ">>" button

- Press "VOL.+" button

- TV mode.

Values or adjustment not "STORED" before exiting the service mode will **NOT** be "SAVED" in the NVM.

1 ACCES AU MODE SERVICE

Accès avec le clavier du téléviseur

- Commuter le téléviseur en position de veille avec la télécommande. Eteindre le téléviseur par l'interrupteur secteur (attendre l'extinction complète du voyant).
- Tout en appuyant sur les touches **PR** - et **VOL -** , mettre le TV en service à l'aide de la touche **M/A**.
- Maintenir enfoncées les touches **PR** - et **VOL -** . (8s)
Le menu suivant apparaît.

Soft-Ver. V1.00-0 0080
Config. A5- - - N
Serial-No. 103465071

▶ QUIT
TUBE
SETUP
GEOMETRY
VIDEO
IF

Note :

En mode service:

- Le verrouillage parental est effacé (réinitialisé).
- La fonction de verrouillage (Pin number) est ignorée.
- La programmation des heures «réveille/matin» est annulée.
- Possibilité de passer en mode service avec commutation lente active.
- AV- Link , la détection WSS, l'EPG et le Vidéotexte ne sont pas validés.
- La fonction de stand-by automatique en cas d'absence de signal d'antenne n'est pas validée.
- Les valeurs de réglages usine sont affectées au contraste, à la couleur et à la lumière.
- Le contour est appelé à sa valeur moyenne.
- L'expansion contraste est au niveau bas.
- Le mode ambiance «Light sensor» n'est pas valides.
- Zoom et format ignorées.

2 SORTIE TEMPORAIRE DU MODE SERVICE

- Utiliser la touche Exit de la télécommande.
- Le menu utilisateur peut être accessible via la touche «Menu».

- Pour entrer à nouveau dans le mode service utiliser la touche bleue.

3 SORTIE DEFINITIVE DU MODE SERVICE

télécommande

clavier du téléviseur

Inter M/A ou Stand-by

- Aller au point «QUIT» dans le menu principal du mode service.

- Appuyer sur "<<," "OK" ou ">>"

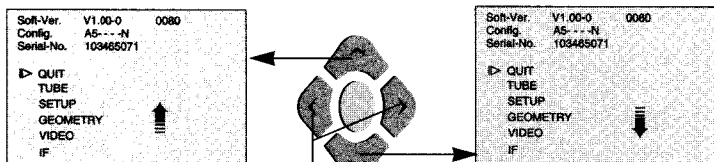
- Appuyer sur "VOL.+"

- Mode TV.

Les valeurs ou réglages non mémorisées avant la sortie ne seront pas écrites en NVM.

II - NAVIGATION INSIDE THE SERVICE MODE - DEPLACEMENT DANS LE MODE SERVICE FUNCTIONS WALLIN SERVICE MODE - OPZIONI NEL SERVICE MODE - BUSQUEDA EN MODO SERVICIO

1 REMOTE CONTROL - TELECOMMANDE - FERNBEDIENUNG TELECOMANDO - MANDO A DISTANCIA

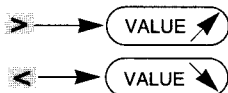


Navigation up

Navigation down

- Select option
- Option anwählen
- Selezionare l'opzione
- Seleccionar opción

- "Change" value
- Wert "ändern"
- "Cambiare" valore
- "Cambiar" valor



2 TV CONTROL PANEL - CLAVIER TV - TASTATUR DES FERNSEHGERÄTS - COMANDI DEL TELEVISORE -

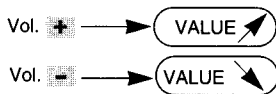


Navigation down

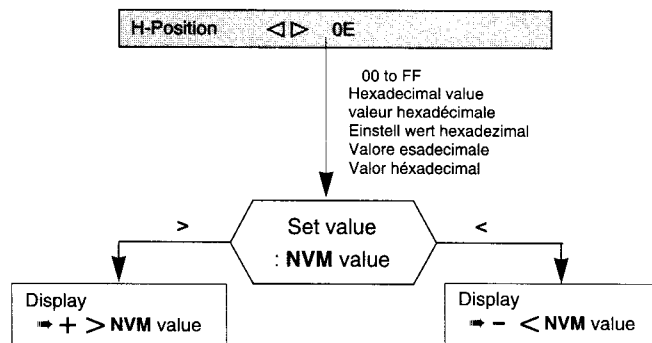
Navigation up

- Select option
- Option anwählen
- Selezionare l'opzione
- Seleccionar opción

- "Change" value
- Wert "ändern"
- "Cambiare" valore
- "Cambiar" valor



3 DISPLAYING THE VALUE OF THE SETTING - AFFICHAGE DES VALEURS - ANZEIGE DES EINSTELL WERTS VISUALIZZAZIONE DEL VALORE DELLA REGOLAZIONE - VISUALIZACION DEL VALOR DE AJUSTE



4 TOGGLE FUNCTIONS - VALIDATION DES FONCTIONS EIN-UND AUSSCHALT FUNKTIONEN - FUNZIONI DI COMMUTAZIONE - FUNCION CONMUTACION

To enable a function check (tick) ☒ the box.

Pour valider une fonction cocher ☒ la case correspondante

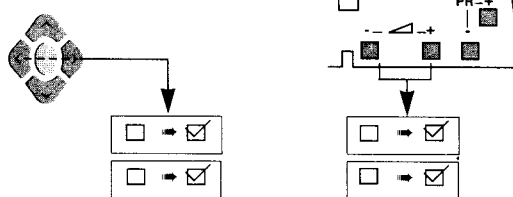
Zum Implementieren einer Funktion das Kontrollkästchen ☒ aktivieren (ankreuzen)

Per implementare una funzione di verifica, (vistare) ☒ la casella

Para poner en fucionamiento una función verifique (señale) ☒ la casilla

☒ : Enable function

☐ : Disable function



5 STORING VALUES IN MEMORY - MEMORISATION DES VALEURS - SPEICHERN DER WERTE - MEMORIZZAEZ I VALORI - VALORES ALMACENADOS EN LA MEMORIA

After setting, the values are stored in NVM.

Après réglages les valeurs sont mémorisées en NVM.

Nach dem Einstellen werden die Werte im NVM gespeichert.

Dopo la regolazione i valori vengono memorizzati in NVM.

Después del ajuste, los valores son almacenados en NVM

The box ☐ becomes ☒

During alignment, values are temporarily stored in RAM.

En cours d'alignement les valeurs sont mémorisées temporairement en RAM

Während des Abgleichs werden die Werte vorübergehend im RAM gespeichert

Durante l'allineamento i valori vengono memorizzati provvisoriamente sulla RAM

Durante el ajuste, los valores son almacenados temporalmente en RAM

Store

- Copies RAM values into NVM
- Copie la valeur RAM en NVM
- Kopieren des Werts von RAM nach NVM
- Copiare i valori RAM in NVM
- Copiar valores RAM en NVM

Restore

- Copies all values from NVM into RAM.
- Copie toutes les valeurs des données NVM en RAM
- Kopiert alle NVM-Datenwerte in den RAM
- Copiare tutti i valori da NVM sulla RAM
- Copia todos los valores de NVM a RAM

ROM Default

- All the default values of a page in use are stored in RAM.
- L'ensemble des valeurs par défaut d'une page courante est chargé en RAM.
- Sämtliche Standardwerte der aktuellen Seite werden im RAM geladen
- Tutti i valori di default di una pagina in uso vengono memorizzati sulla RAM
- Todos los valores por defecto de la página en curso están almacenados en RAM.

III - LITE-MENU FOR FIELD SERVICE MODE - MENUS DU MODE SERVICE

1 MAIN MENU - MENU PRINCIPAL

		Software Version Version software Software Version Versione software Versión software	Counter Compteur Betriebsstundenzähler Contador Contatore
Chassis Configuration codes. Configuration du récepteur Gerätekonfiguration Composizione del ricevitore Composición del Receptor		Soft-Ver. V1.00-0	0080
		Config. A5- - -N	
		Serial-No. 103465071	
Serial Number N° de série Serien-Nr. Numero seriale N° Serie		QUIT TUBE SETUP GEOMETRY VIDEO IF	
SELECT	Navigation inside the Service Mode Navigation dans le Service Mode		
UP	Funktionen im Service Mode Opzioni del Service Mode		
DOWN	Búsqueda en el Modo Servicio		
Alignment Alignement Abgleich Regolazione Alineacion			

TV CONFIGURATION - CONFIGURATION DU TV - GERÄTEKONFIGURATION - CONFIGURAZIONE DEL TV - CONFIGURACIÓN DEL TV

Config.	A1Z-DKC
Character 1 : Tube type : «A»= 4/3 , «W» =16/9 Character 2 : Chassis type : «5» = 50Hz, Character 3 : Zoom available : «Z»=yes, «-»=not Character 4 : Ambient Sensor : «S»= detected, «-»= not Character 5 : Dolby : «D»=detected, «-»= not Character 6 : AV Link detected : «K»=IR link detected, «-»= not Character 7 : Chassis Variant: «N»= Nicam, «S»=Stereo	
Serial-N0.	A16-----
Character 1 : Factory : «A»= Angers , «C» =Celle, «T» =Tarancon Character 2 : Year : «G» = 1996, «H»= 1997 etc.. Character 3 : Month, from : «1»=January to «C»=December Character 4-9 : Serial N0.	

TIME COUNTER - COMPTEUR DE TEMPS - BETRIEBSSTUNDENZÄHLER - CONTATORE - CONTADOR

The counter indicates the TV's number of service hours. It counts from 0 to 65535 hours.

The display is hexadecimal.

Le compteur de temps indique le nombre d'heures de service du TV. Il compte de 0 à 65535 heures. L'affichage est en hexadécimal.

Der Zähler zeigt an, wieviele Stunden der Fernseher in Betrieb ist. Die Anzeige ist hexadezimal.

Il contatore indica il numero di ore di servizio del TV. Può contare da 0 a 65535. La visualizzazione è esadecimale.

El contador indica el número de horas de servicio de la TV. Cuenta de 0 a 65535 horas. El visualizador es hexadecimal.

2 SUBMENU - SOUS-MENU

Navigation inside the Service Mode Navigation dans le Service Mode Funktionswahl im Service Mode Opzioni del Service Mode Búsqueda en el Modo Servicio		Hexadecimal value Valeur hexadécimale de réglage Abgleichwerte hexadezimal Valore di regolazione esadecimale Valor del ajuste en hexadecimal																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">VIDEO</th> <th style="text-align: center;">PAL</th> <th style="text-align: center;">BG</th> </tr> </thead> <tbody> <tr> <td>Return Norm.</td> <td style="text-align: center;">☒</td> <td></td> </tr> <tr> <td>Factory</td> <td style="text-align: center;">☐</td> <td></td> </tr> <tr> <td>Drive Adjust.</td> <td style="text-align: center;">☐</td> <td></td> </tr> <tr> <td>R-Drive</td> <td style="text-align: center;">9C</td> <td></td> </tr> <tr> <td>G-Drive</td> <td style="text-align: center;">9C</td> <td></td> </tr> <tr> <td>B-Drive</td> <td style="text-align: center;">9C</td> <td></td> </tr> <tr> <td>Peak-White</td> <td style="text-align: center;">70</td> <td></td> </tr> <tr> <td>Scale Bright</td> <td style="text-align: center;">5C</td> <td></td> </tr> <tr> <td>Scale Colour</td> <td style="text-align: center;">CC</td> <td></td> </tr> <tr> <td>Scale Contr.</td> <td style="text-align: center;">☐</td> <td></td> </tr> <tr> <td>Default</td> <td style="text-align: center;">☐</td> <td></td> </tr> <tr> <td>Store</td> <td style="text-align: center;">☐</td> <td></td> </tr> <tr> <td>Restore</td> <td style="text-align: center;">☐</td> <td></td> </tr> </tbody> </table>	VIDEO	PAL	BG	Return Norm.	☒		Factory	☐		Drive Adjust.	☐		R-Drive	9C		G-Drive	9C		B-Drive	9C		Peak-White	70		Scale Bright	5C		Scale Colour	CC		Scale Contr.	☐		Default	☐		Store	☐		Restore	☐		Enable a function Case de validation - Fonction validée si "cochée" Zum Implementieren einer Funktion Per inserire la Funzione Activar una función	
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Restore	☐																																											

ALIGNMENT PROCEDURE - PROCESSUS DE REGLAGES - ABGLEICH - VISUALIZZAZIONE

TUBE

Return

Tube type

Store

Restore

A66ECY...

☒

☐

SETUP

Return

Clear

Progs.

Kbd.

Config.

Default

WSS

Default

Store

Restore

☐

☐

☐

☐

GEOMETRY

Return

V- Slope

V-Amplitude

V-Position

Blanking On

S - Correction

H-Position

H-Amplitude

EW-Amplitude

EW-Trapezium

Default

Store

Restore

7C

6C

7C

☐

54

94

70

78

98

☐

☐

☐

Test Pattern Signal used: 4/3 with geometric circle.

TUBE

Return

Closes the sub-menu and returns to the "Main Service Menu". Press </> on the RCU or VOL+/VOL- on TV front panel.

Retourne au menu principal.

Verlassen des Untermenüs, das Hauptmenü des service Modes erscheint

Chiude il sottomenu e fa apparire il menu principale Field Service Mode.

Cierra el submenú. El menú Field Service Mode aparece.

Press </>: remote control; Vol. +/- : TV keyb.

Tube type

After replacing the NVM, the correct tube type number must be entered (6 characters). Once entered, the tubes geometry and video default vales are immediately activated. Variable geometry and video parameters are written to the NVM when the "STORE" line is selected. See table below for tube type numbers.

Definit le tube exact après changement de NVM.

Les nouvelles valeurs de tubes (avec video et géométrie) sont actives de suite. Les paramètres de vidéo et de géométrie sont chargés en NVM lorsque STORE est sélectionné. Voir liste ci-dessous.

Nach Tausch des NVM den bildröhrentyp (6 Ziffern) auswählen. Die neuen Geometrie- und Video-defaultwerte werden sofort aktiv. Variable Geometrie- und Videowerte werden durch Speichern mit "STORE" ins NVM geschrieben. Bildrohrauflistung : siehe unten.

Scegliere il tubo appropriato dopo aver sostituito la NVM; i 6 caratteri che indicano il nuovo tipo di tubo, richiamano i valori video e geometria di default. I parametri per video e geometria vengono caricati nella NVM

Definir el tubo correcto después de haber cambiado el NVM.6 caracteres.Los nuevos valores de tipo de tubo (con la video y la geometría por defecto) se activan inmediatamente. Los parámetros variables de geometría y video se graban en el NVM al seleccionar la función Store. Vea más abajo la lista de tubos.

SETUP

Return

Closes the sub-menu and returns to the "Main Service Menu".

Retourne au menu principal.

Verlassen des Untermenüs

Chiude il sottomenu e fa apparire il menu principale Field Service Mode.

Cierra el submenú. El menú Field Service Mode aparece.

Press </>: remote control; Vol. +/- : TV keyb.

Clear Prog.

Clears all programmes STORED in memory and RESETS all PICTURE and SOUND settings to the factory default values.

The AUTO INSTALL (out of factory) mode can be initialised by a long press (> 5sec.) of the selection button.

Efface tous les programmes mémorisés. valeurs SON et IMAGES: valeurs usines.

Pour sortir des valeurs usine : Selection : Long press:2,5s

Löscht alle Programme und ersetzt alle Ton- und Bildeinstellungen durch Fabrikwerte. Nach erneutem Einschalten erscheint das Installationsmenü. Anwahl: 2,5s drücken

Clear Prog.

Cancella tutti i programmi in memoria.I Valori analogici SUONO E IMMAGINE vengono riportati a livello di default. Per ristabilire le condizioni di uscita fabbrica, selezionare la funzione e premere per 2,5sec

Programa de borrado.

Borra todos los programas almacenados en la memoria.Valores analógicos de SOUND PICTURE: valores de fábrica.Regreso a la TV para "salir del modo fábrica".Selección: Presión larga igual a 2,5 s.

☒ active-aktiv ☐ No active-inaktiv

Kbd. Config

Factory adjusted

Reserve au reglage usine

Reserviert für fabrikenstellungen

Riservato alla regolazione di fabbrica

Kbd. Config

Default

WSS Automatic detection of DOLBY surround sound and 16/9 Format pictures via Teletext line number 23 is valid on all programmes.

Sélection du process WSS valid pour tous programmes

WSS (nur bei 16:9 oder Dolby)

Auswertung der Zeile 23 zur automatischen Format umschaltung und Dolby umschaltung

Identificazione "auto-surround" e "format" tramite il televideo, decodificando la riga 23. La selezione di WSS è valida per tutti i programmi.

Detección "auto-surround" y "format" a través de la línea 23 de Teletext.La selección del procesamiento WSS es válida para todos los programas.

☒ detect.enable- aktiv ☐ disable-inaktiv

GEOMETRY

Return

Closes the sub-menu and returns to the "Main Service Menu".

Retourne au menu principal.

Verlassen des Untermenüs

Chiude il sottomenu e fa apparire il menu principale Field Service Mode.

Cierra el submenú. El menú Field Service Mode aparece.

Press </>: remote control; Vol. +/- : TV keyb.

V-Blanking

Press </> on the RCU or VOL+/VOL- on TV front panel.

1.Select the standard 4:3 format and zoom mode 0.

1.Sélectionner le mode zoom standard 4/3 pour tube 4/3

1Wählen Sie den Standard-Zoom 4:3 bei 4:3 Bildröhren.

1.Selezionare il modo zoom standard 4/3 per tubo 4/3

1.Seleccione el modo de zoom estándar 4/3 para tubo 4/3.

2.Apply a test pattern signal to the TV with a single horizontal and vertical line on the screen.

2 appliquez une MIRE de BARRE avec seulement une ligne blanche horizontale en milieu de l'ecran

2.Speisen Sie ein Testbild mit nur einem horizontalen Strich in der Bildmitte ein.

2.Applicare un monoscopio con un'unica linea bianca orizzontale al centro dello schermo

2.Aplique una plantilla de prueba con sólo una línea blanca horizontal en el centro de la pantalla.

3.Select "Blanking On" line of the menu and ENABLE (tick) the function, the bottom half of the screen will go black.

3.Positionner dans le mode Service Blanking On la moitié basse de l' ecran devient noire

3.Schalten Sie den Blanking-Mode ein. Die untere Hälfte des Bildschirms wird schwarz.

3.Posizionarsi in modo Service Blanking on; la parte inferiore dello schermo diventa nera

3.Pase al modo Service Blanking On. La mitad inferior de la pantalla se vuelve negra.

4.Select the "V_Slope" line of the menu and adjust its value until the centre line of the pattern is just invisible.

4.Aligner "Vertical - Slope" pour que la ligne mediane soit a peine non visible

4.Regeln Sie "V-Slope" so ein, daß die Mittellinie nahezu verschwindet.

4.Allineare la "Vertical Slope" in modo che la linea centrale sia appena visibile

4.Alinee "Vertical-Slope" para que la línea mediana sea casi invisible.

5.Return to the "Blanking On" line of the menu and DISABLE (un-tick) the function.

5 Revenir à Blanking On et mettre ☐

5.Schalten Sie den Blanking-Mode wieder ein und ☐

5.Ritornare in modo Blanking on e porre ☐

5.Vuelva a "Blanking on" y poner ☐

6.Switch the test pattern signal to the crosshatch geometry pattern.

6.Positionner la mire de quadrillage

6.Speisen Sie ein Gittertestbild ein.

6.Posizionare il monoscopio

6.Coloque la plantilla cuadriculada.

7.Perform the geometry adjustments described below.

7.Effectuer les réglages de géométrie d'écrits ci-dessous

7.Nehmen Sie die Geometrieeinstellung wie unten beschrieben vor:

7.Effettuare le regolazioni di geometria descritte in precedenza

7.Efectúe los ajustes geométricos descritos más abajo.

8.Store /Memoriser /Speichern /Memorizzare /Almacene

→ After setting → Store (+) ☒		
Tube Name	LIST name	Description
A51EF583X191	A51EFS	4:3; 21" OT; AK-Mask; Coty-M
A59EHJ43X15	A59EHJ	4:3; 25" MP; AK-Mask; Vector
A66EHJ43X15	A66EHJ	4:3; 28" MP; AK-Mask; Vector
A68EGD038X30	A68EGD	4:3; 29" SF; Invar; Vector
A80AEJ13X01	A80AEJ	4:3; 33" MP AK-Mask; Coty-M
A59EGD048X30	A59EGD	4:3; 25" SF; Invar-Mask; Vector
A66AGA25X01	A68AGA	4:3; 29" VHP; AK-Mask; Coty-M
W56EGV023X015	W56EGV	16:9; 24" SF; Invar-Mask; Vector
W66EGV023X015	W66EGV	16:9; 28" SF; Invar-Mask; Vector
W76EGV023X015	W76EGV	16:9; 32" SF; Invar-Mask; Vector

E DEL VALORE DELLA REGOLAZIONE - PROCEDIMENTO DE ALINEACION

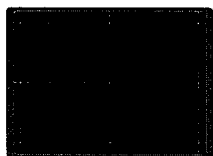
VIDEO	PAL	BG
Return Norm.	☒	
Drive Adjust.	☒	
R-Drive	9C	
G-Drive	9C	
B-Drive	9C	
Peak-White		
Scale Bright	70	
Scale Colour	5C	
Scale Contr.	CC	
Default Store	☐	
Restore	☐	

IF	
Return	
AGC Take Over	☒ 88
FFI - Bit	☐
Default Store	☒
Restore	☒

Just separate for 4/3 and 16/9 format. See annexed

The signals colour standard is auto detected and displayed opposite the main menu line.

GEOMETRY		
9. Adjust position H. 9 Regler la position H. 9) Korrigieren Sie Horizontale Lage. 9 Regolare la posizione H 9. Ajuste la posición H		
10. Adjust l'amplitude H 10. Adjust amplitude H. 10. Korrigieren Sie Horizontal-Amplitude 10 Regolare l'ampiezza H 10. Ajuste la amplitud H		
11-12. Correction of EW pincushion distortion. 11/12 Correction de coussin EW 11/12) Korrektur der Ost/West Kissenverzerrung. 11/12 Correzione della distorsione a cuscino EW 11/12. Corrección de la distorsión de cojín EW.		
13. Correction of corners (Shape). 13 Correction de coins (Shape) 13) Korrektur der Ecken. 13. Correzione degli angoli (Forma) 13. Corrección de esquinas (Shape)		
14. Trapeze. / Trapèze 14 Trapez-Verzerrung. 14. Trapezio / Trapecio		
"These adjustments are not necessary for 4:3 tubes in 16:9 mode" "Pour les tubes 4/3 en mode 16/9, ces réglages ne sont pas nécessaire" "Diese Einstellungen sind nicht für 4:3 Bildröhren im 16:9 Betrieb erforderlich." "Queste regolazioni non sono necessarie per tubi 4/3 in modo 16/9" "Estos ajustes no son necesarios para los tubos 4/3 en modo 16/9"		
V-Amplitude		
V-Position		
H-Position		
S-Correction		
H-Amplitude		
EW - Amplitude		
EW - Trapezium		
EW - Shape		



Correct

incorrect

→ After setting → Store (+) ☒

VIDEO	PAL																								
Return Closes the sub-menu and returns to the "Main Service Menu". Press </> on the RCU or VOL+/VOL- on TV front panel. Retourne au menu principal. Verlassen des Untermenüs Chiude il sottomenu e fa apparire il menu principale Field Service Mode. Cierra el submenú. El menú Field Service Mode aparece. Press </>: remote control; Vol. +/- : TV keyb.																									
Normalise User Settings Recalls the factory settings for colour, brightness, contrast and sharpness and sets contrast expand to "low". ☒ Factory settings recalled ☐ User settings kept.																									
R-Cut off*	 ☀ + ● + ● = nom. Grey scale test pattern white = 100%																								
G-Cut off*	 grey																								
R - Drive	 ☀ + ● + ● = nom. Grey scale test pattern white = 100%																								
G - Drive	 white																								
B - Drive	 white																								
Peak-White** Peak white test pattern white = 100% Blue cathode Blue cathode																									
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Scal. Brightness	 ☀ + ● = 50% ● = 100% Grey scale test pattern white = 100% black																								
Scal. Colour	☀ + ● + ● = nom. PAL (then SECAM + RGB) 75% Colour bar test pattern via RF. Blue Cathode CRT F-H																								
Scal. Contrast	factory settings.																								

IF
AGC - Minimum noise- Minimum de bruit - Minimum Rauschen- Rumore minimo - Minimo ruido
FFI - Bit Fast filter (IF /PLL) Filtre rapide (FI /PLL) Schnelles filter (ZF/PLL) Filtro rapido (IF /PLL) ☒ Asie ☐ Europ
→ After setting → Store (+) ☒

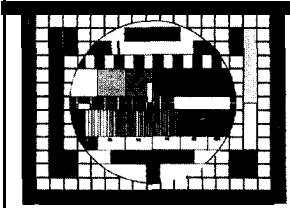
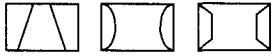
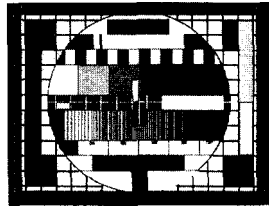
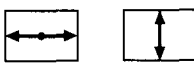
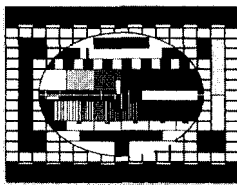
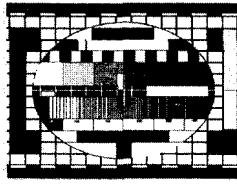
Note :

- * adjust separate for PAL/NTSC/SECAM and RGB/AV getrennte Einstellung für PAL/SECAM und RGB/AV
- * After PEAK white adjustment control cut off setting. Repeat the adjustments if necessary. Nach der Einstellung von "Peak white" die "Cut off"-Einstellungen wiederholen.

GEOMETRY MODE ALIGNMENT

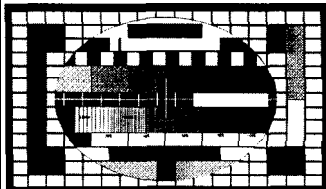
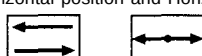
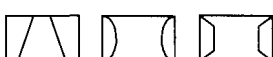
4/3 picture tube

Signal : 4/3 test pattern

4 / 3 standard mode zoom 0		overscan V=107% , H=107% 1- Adjust Vertical position and Vertical amplitude 2- Adjust Vertical Blanking and linearity  3- Adjust Horizontal position and Horizontal amplitude  4-Adjust EW Amplitude ,EW Shape and Trapezium 
<4/3> zoom 1		overscan V=120% . H=120% 
16 / 9 standard mode zoom 0		Adjust the vertical height until V = 80% 
<16 / 9> zoom 1		Adjust the vertical height : V =90% 

16/9 picture tube

Signal : 4/3 test pattern

16 / 9 standard mode zoom 0		overscan V=107%, H =107% 1- Adjust Vertical position and Vertical amplitude 2- Adjust Vertical Blanking and linearity  3- Adjust Horizontal position and Horizontal amplitude  4-Adjust EW Amplitude ,EW Shape and Trapezium 
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