

television set 4/3 format

Chassis TX91G

51 cm - 20 inch screen

Conventiounal screen

Black Matrix processing

Mono sound

10 W

Built-in teletext

Wake up timer

Hotel mode

Dual standard : Pal / Secam /

NTSC via SCART connector

Norms : BG, DKK'



image

sound

special features

connectors /
general remarks



image

51 cm - 20 inch tube

Conventiounal screen

Black Matrix processing for optimal contrast

Manual switch to 16/9 format

Total tube size : 51 cm diagonal

Picture size : 48 cm diagonal

Dual standard : PAL / SECAM / NTSC

via Video connector

Norms : BG, DKK'

Videotext : 4 pages.

Fastext : 8 pages.

Toptext : 8 pages.

sound

Mono sound

Power : 10 W music

1 speakers : 1 medium

Volume limitation in hotel mode

special features

Automatically switches to standby mode

when no signal is present after 5 minutes

Child lock

Timer : shut-down programmable from 15 minutes

to 4 hours

Optional display of channel number

Wake up timer / Hotel mode

Memorize up to 59 channels + 1 AV channel

Frequency synthesis tuner

Compatible with cable networks

8 MHz hyperband

TC295 remote control

connectors / general remarks

1 antenna connector

1 SCART connectors, S-VHS compatible

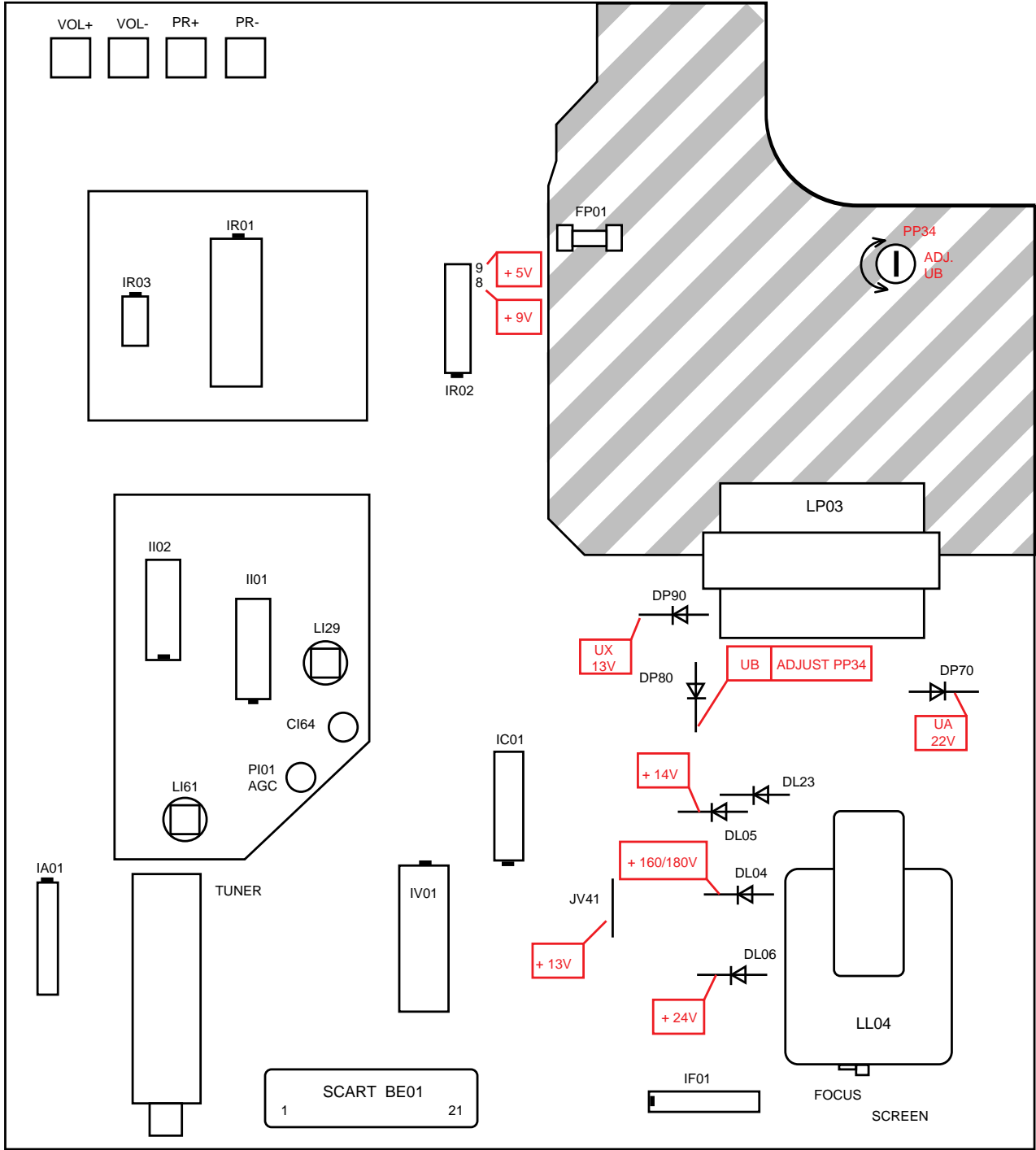
Power supply : 220 - 240 V; 50/60 Hz

Consumption : 55 W/h - in stand-by mode 8 W/h

Weight : 24 kg

Dimensions (W x H x D) : 520 x 480 x 470 mm

LOCATION OF CONTROLS - EMBLACEMENT DES REGLAGES -
SERVICE LAGEPLAN - POSIZIONE REGOLATORI DI SERVIZIO -
SITUACIÓN DE LOS AJUSTES




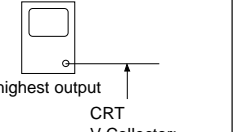
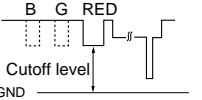
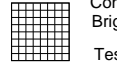
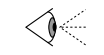


ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

<div>U B</div> <div>PP 34</div> <div>Contrast, brightness and volume to minimum</div> <div></div>							
Screen Size	CRT Vendor / Type N°	FBT Vendor / Type N°	Min beam current UB adjustment	Screen Size	CRT Vendor / Type N°	FBT Vendor / Type N°	Min beam current UB adjustment
10"	Samsung 27GDC85X-TC10	Samsung FCV1010-E03	106V+/-0,5V	20"	Polkolor A48EEV13X01	Samsung FCV2010-E07	115V+/-0,5V
14"	Thai-CRT (baretube) A34JXV70X	Samsung FCV1410-E18	107V+/-0,5V	20"	ChungHwa 510UFB22-TC55	Orega 203832IO 204529G0 P1 *G5604-00	115V+/-0,5V
		Samsung FCV1410-E18	108V+/-0,5V			Samsung FCV2010-E07	116V+/-0,5V
	ChungHwa 370KRB22-TC38	Orega 203832HO 204529H0 P1 *G5603-03	108V+/-0,5V		Hitachi A51JSY61X03	Orega 203832IO 204529G0 P1 *G5604-00	116V+/-0,5V
		Samsung FCV1410-E18	104V+/-0,5V			Samsung FCV2010-E07	116V+/-0,5V
17"	Philips A41EAM40X01	Orega 203832HO 204529H0 P1 *G5603-03	104V+/-0,5V	21"	VideoColor A51EBV13X01	Orega 203832IO 204529G0 P1 *G5604-00	116V+/-0,5V
		Samsung FCV1410-E18	110V+/-0,5V	21"		Orega 203832IO 204529G0 P1 *G5604-00	116V+/-0,5V
		Orega 203832HO 204529H0 P1 *G5603-00	110V+/-0,5V		VideoColor A51EFS43X191	Orega *G5552-00 *G5624-00 *G5605-00	

U G2 / cutoff	SCREEN	<div>Use a peak white pattern.</div> <div></div> <div>Mode preference: Image Ambiance AV (no Signal, black screen)</div>	<div></div> <div>CRT V Collector: TT52, TT62, TT72 (Transistor Version)</div> <div>Pin 9, 12, 15 IT01 (IC Version)</div>	<div>Adjust Screen voltage VG2</div> <div>120V +/- 5V: 20", 14", 15", 17"</div> <div>145V +/- 5V : 20" & 21"</div> <div>= 50%</div> <div></div>
FOCUS	FOCUS	<div></div> <div>Contrast = 100% Brightness = 0%</div> <div>Test pattern (standard values)</div>	<div></div>	Sharp picture

ADJUSTMENTS - REGLAGES - EINSTELLUNGEN
REGOLAZIONE - AJUSTES

U G2 / cutoff	SCREEN	Use a peak white pattern.    Mode preference: Image Ambiance AV (no Signal, black screen)	 highest output CRT V Collector: TT52,TT62,TT72 (Transistor Version) Pin 9, 12, 15 IT01 (IC Version)	Adjust Screen voltage VG2 120V +/- 5V: 20", 14", 15", 17" 145V +/- 5V : 20" & 21" + = 50%  B G RED Cutoff level GND
FOCUS	FOCUS	Contrast = 100% Brightness = 0% Test pattern (standard values) 		Sharp picture

SERVICE-MODE



Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Systemspannung, Fokuseinstellung und Schirmgitterspannung).

1.Service-Mode einschalten

- 1.1 Mit der Fernbedienung das Fernsehgerät in Stand-by schalten.
- 1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
- 1.3 Die blaue Taste der Fernbedienung gedrückt halten und gleichzeitig das Gerät mit dem Netzschalter einschalten.
- 1.4 Das folgende Menü erscheint nach erneutem Drücken der blauen Taste

SET-UP	VIDEO	GEOM
TX91 FM20	-----	TM

Achtung : Der Service-Mode läßt sich nicht einschalten, wenn an einer Euro-AV-Buchse ein Gerät aktiviert ist, z.h. die Schaltspannung anliegt.

2. Funktionswahl oder Seitenwahl (GEOM)

Mit den Tasten +/- der Fernbedienung können Sie das folgende Menü auswählen: SETUP,VIDEO oder GEOM, und mit der blauen Taste(VT) ∇ oder der Taste Mittelwert ∇ ∇ können Sie eine Einstellung oder eine Seite (1,2,3,...) auswählen.

3. Umschalten zwischen Service- und TV-Betrieb

Im Service-Mode sind die normalen Fernsehfunktionen nicht bedienbar. Werden diese im Service-Mode benötigt (z.B. Programmwechsel), kann mit der Taste (TV) in den normalen TV-Betrieb geschaltet werden. Durch Drücken der blauen Taste gelangt man zurück zum Service-Mode.

4. Abgleich der gewählten Funktion und Speichern

Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste + bzw. - auf der Fernbedienung verändert werden. Die Änderungen des jeweiligen Menüs können unter MEMO mit der +. Taste gespeichert werden. In der Zeile R-STO(RE) können die in NVM gespeicherten Werte mit der Taste "-." aufgerufen werden. Im Menüpunkt ROM kann man die Software-Defaultwerte laden.Sie sind aber nur eine grobe Annäherung an den noch vorzunehmenden Abgleich und sollten nur im Notfall verwendet werden. Im Service-Menü : Durch längeren Druck (mehr als 3 Sek.) wird das Gerät auf die "Factory default werte" zurückgesetzt.

5. Service-Mode verlassen

Zum Verlassen des Service-Mode das Gerät in Stand By schalten oder mit dem Netzschalter ausschalten.

MODO SERVICIO



Se necesita el MODO SERVICIO para ajustar el aparato. Todos los ajustes se hacen con el mando a distancia (a excepción de la tensión del sistema, los ajustes del foco y las tensiones de la rejilla de pantalla).

1. Ajustar el MODO SERVICIO

- 1.1 Con el mando a distancia conectar a STANDBY el televis.
- 1.2 Desconectar el aparato con el interruptor de la red (esperar hasta que el LED se apague).
- 1.3 Mantener pulsada la tecla azul y conectar el aparato simultáneamente con el interruptor de red.
- 1.4 El menú siguiente aparece volviendo a pulsar la teda azul.

SET-UP	VIDEO	GEOM
TX91 FM20	-----	TM

Atencion : No se puede conectar el MODO SERVICIO cuando en Eurotoma-AV está activado un aparato, es decir, cuando existe tensión de conexión.

2. Selección de las funciones o selección de página (GEOM)

10. Mediante las teclas +/- del telemando usted puede escoger el menú correspondiente: SET-UP, VIDEO o GEOM y con la tecla azul (VT) ∇ o la tecla valor medio ∇ ∇ , seleccionar un ajuste o una página (1, 2, 3,...)

SERVICE-MODE



Il Service-Mode è necessario per l'allineamento dell'apparecchio. Tutte le regolazioni si effettuano con il telecomando. (a parte la tensione del sistema, la regolazione del fuoco e le tensioni della griglia schermo).

1. Attivazione del Service-Mode

- 1.1 Commutare il televisore in stand-by con il telecomando.
- 1.2 Spegnere l'apparecchio con l'interruttore di rete (attendere finchè il LED è spento).
- 1.3 Tenere premuto il pulsante blu e accendere contemporaneamente l'apparecchio con l'interruttore di rete.
- 1.4 Il seguente menu appare non appena si aziona nuovamente il pulsante blu.

SET-UP	VIDEO	GEOM
TX91 FM20	-----	TM

Attenzione : Il Service-Mode non si può attivare se è attivato un apparecchio collegato alla presa di peritelevisione AV, cioè se è presente la tensione ausiliaria.

2. Scelta della funzione o selezione pagina (GEOM).

Per i tasti +/- del telecomando, potete scegliere il menu corrispondente: SET-UP, VIDEO o GEOM e con il tasto blu (VT) ∇ o il tasto valore medio ∇ ∇ , una regolazione o una pagina (1, 2, 3, ecc.)

3. Commutazione fra funzione Service-Mode e TV

Nella modalità Service-Mode non si possono attivare le normali funzioni televisive. Se occorre richiamarle in Service-Mode (ad es. se si vuole cambiare il programma), si pud attivare la normale modalità TV con il pulsante (TV). Premendo il pulsante blu si riattiva il Service-Mode.

4. Taratura della funzione scelta e memorizzazione

Il valore momentaneo della funzione scelta viene indicato in formato esadecimale a destra, accanto alla posizione da allineare e può essere cambiato con il pulsante + o - del telecomando. Le modifiche effettuate nel relativo menu si possono memorizzare in MEMO con il pulsante +. La linea R-STO(RE) permette di richiamare i valori memorizzati in NVM con il tasto "-." Nell'opzione di menu ROM si possono caricare i valori di default del software. Essi rappresentano però una taratura approssimativa prima di eseguire quella definitiva e si dovrebbero usare solo in caso di emergenza. Mentre si è nel «Menu Service», una lunga pressione (più di 3s) del tasto «0» riporterà il TV alle «condizioni di default di fabbrica».

5. Disattivazione del Service-Mode

Per disattivare il ServiceMode, commutare l'apparecchio in stand-by o spegnerlo con l'interruttore di rete.

3. Conmutar entre funcionamiento Servicio y TV

En el MODO SERVICIO las funciones de televisión normales no pueden operarse. Si se necesitan éstas en MODO SERVICIO (p.ej., cambio de programa), con la tecla (TV) puede conmutarse a la operación TV normal. Pulsando la tecla azul se vuelve al MODO SERVICIO.

4. Ajuste de la función elegida y almacenamiento

El valor momentáneo de la función elegida es indicado de modo hexadecimal a la derecha, al lado de la posición a ajustar, y puede cambiarse con la tecla + o bien - en el mando a distancia. Los cambios del menú respectivo pueden almacenarse bajo MEMO con la tecla +. La línea R-STO (RE) permite recuperar los valores memorizados en NVM con la tecla "-." En el punto de menu ROM se pueden cargar los valores por defecto del software. Sin embargo, son sólo una aproximación basta al ajuste aún a realizar y deben usarse sólo en caso de emergencia. En modo servicio, si se mantiene pulsada (más de 3 seg.) la tecla «0» toma por defecto los valores de «ajuste en fábrica».

5. Salir del MODO SERVICIO

Conmute el aparato a STANDBY a fin de salir del MODO SERVICIO o desconectar con el interruptor de la red.

TV mono :

SET-UP				
Software code and configuration				
BRAND	1	2	3	NONE
NORM	B	BD	BLD	BIL BL I
SUB-VOL	- 2 / 2	1		
- R-STO	+ MEMO		O ROM	

TV stereo :

SET-UP				
Software code and configuration				
BRAND	1	2	3	NONE
NORM	B	BD	BLD	BIL BL I
DEC PR04	On		Off	
- R-STO	+ MEMO		O ROM	

VIDEO		
page 1		
SUB-BRT	7 / 7	0

VIDEO		
page 2		
R-DC	00-3F	24
G-DC	00-3F	12

VIDEO		
page 3		
R-DRV	00-3F	1F
G-DRV	00-3F	1E

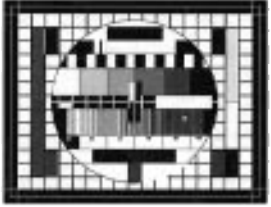


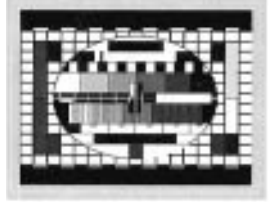
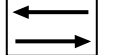
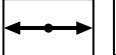

VIDEO		
page 4		
B-DRV	00-3F	1C
PEAK	- / +	

VIDEO		
page 5		
SUB-COL	- 7 / 7	2
- RESTORE	- MEMO	0 ROM

GEOM		
H - PHA		
00 - 3F	0E	
V - AMP	00 - 7F	02
V - LIN	00 - 0F	33
H - PHA	00 - 3F	29
H - AMP	00 - 3F	15
- R-STO	+MEMO 0 ROM	

GEOMETRY MODE ALIGNMENT - RECEIVER : TV WITH 4/3 TUBE

Signal : 4/3 test pattern 50Hz - 60Hz

4 / 3 standard mode		overscan V=107% , H=107%   1- Adjust the horizontal centering 2 - Adjust vertical centering 3 - Adjust picture heitt to V = 107% - Repeat if necessary with 60 Hz
16 / 9 standard mode		   1 - Adjust horizontal centering (reference : screen edge) 2 - Adjust the vertical amplitud until the oval heigh is 75% of the oval width. - Repeat if necessary with 60 Hz

Test Bar pattern used : 4/3 with geometric circle.
adjust separate for 4/3 and 16/9 format

It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Usystem, Focus and Screen voltages.

1. Service Mode Access

- 1.1 With the RCU, switch the TV set into the "Standby" mode.
- 1.2 Switch "Off" the TV set by mains supply switch (wait until LED is dark).
- 1.3 Whilst depressing the RCU "Blue (VT)" button, switch "On" the TV set using the mains supply switch.
- 1.4 Release and press once again the RCU "Blue (VT) " button, the following "Set-Up" menu should be displayed."

SET-UP	VIDEO	GEOM
TX91 FM20	-----	TM

Important : The Service Mode cannot be entered if any equipment is connected to the Scart socket, i.e. pin 8 switching voltage present.

2. Function or Page Selection (GEOM)

- 2.1 With the RCU Volume "+" and "-" buttons, highlight the menu containing the function to be aligned.
- 2.2 Press the RCU "Blue (VT)" ∇ or the middle value one ∇ ∇ , select a setting or a page (1, 2, 3,...).

3. Switching between Service and TV modes

- 3.1 Whilst in the Service Mode, normal TV controls are disabled, to enable these controls whilst in the Service Mode (i.e. for channel changing etc.) press the "TV" button on the RCU. To return to the Service Mode, press the "Blue (VT)" button on the RCU.

4. Alignment and storing new function value

- 4.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU Volume "+" and "-." buttons.
- 4.2 To STORE the functions new value, highlight MEMO and press the RCU Volume "+" button.
- 4.3 The R-STO(RE) line allows you to call values stored in NVM with the "-" key.
- 4.4 Selection the ROM functions downloads the production software default values, these are not very accurate and should only be used in very special cases. Whilst in the «Service-Mode»,a long press (more than 3s) of the RCU «0» button, will reset the TV to the «factory default conditions».

5. Leaving the Service Mode




















- 5.1 To leave the Service mode either, switch the TV set into "Standby" or switch "Off" the mains supply.

Tableau Software Code

Software Release code	Description	Remarque
TX91 FM - (YY)	TX91G Europe Mono Software (YY)	(YY) = 10, 11, 1220, 21
TX91 FS - (YY)	TX91G Europe Stereo Software (YY)	(YY) = 10, 11, 1220, 21
TX91 FAM - (YY)	TX91G Asia Mono Software (YY)	(YY) = 10, 11, 1220, 21
TX91 FAS - (YY)	TX91G Asia Stereo Software (YY)	(YY) = 10, 11, 1220, 21

TV Configuration Code :

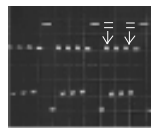
T S M MONO	TEXT MODULE STEREO MODULE SET
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VIDEO														
SUB-BRT  +  +  = 50%		 black												
R - DC*		 grey												
G - DC*		 grey												
R - DRV**		 white												
G - DRV**		 white												
B - DRV**		 white												
PEAK*** PEAK**  +  = 50%  = 100%	 CRT Pin 6,8,11 Oscillo. or colorimeter	<table><tr><td>4/3</td><td>Nits</td></tr><tr><td>10"</td><td>600</td></tr><tr><td>14"</td><td></td></tr><tr><td>15"</td><td>550</td></tr><tr><td>17"</td><td></td></tr><tr><td>28"</td><td>490</td></tr></table>	4/3	Nits	10"	600	14"		15"	550	17"		28"	490
4/3	Nits													
10"	600													
14"														
15"	550													
17"														
28"	490													
SUB-COL	75% PAL Colour-bar Test pattern	Color offset adjustment Saturation=100% CRT Pin 11(B) (Oscillo. 1)												

Notes :
** adjust and stop separate for RF BG, RF L Norm, AV and RGB mode.

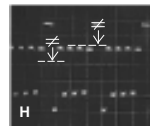
*** After PEAK white adjustment control brightness and cut off setting. Repeat the adjustments if necessary.

Oscillos.1
blue k (PAL)



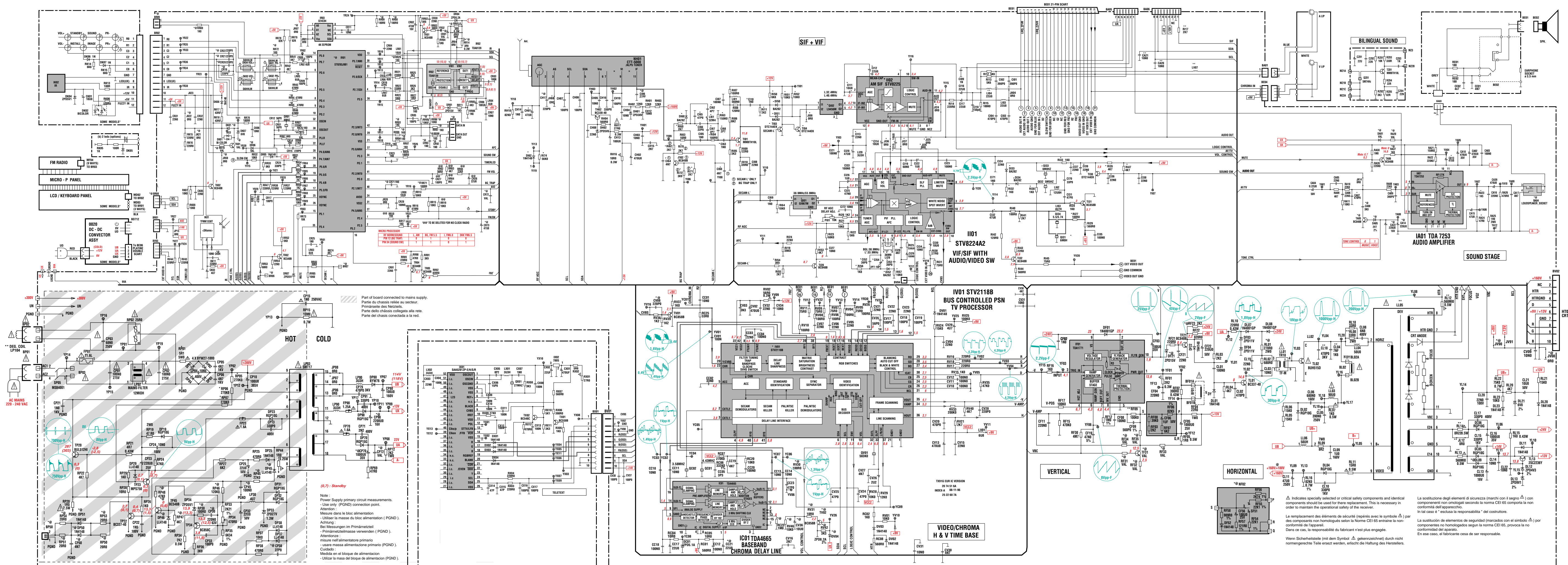
correct

blue k (PAL)



incorrect

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL. - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



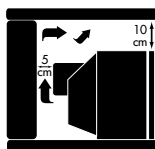


SABA

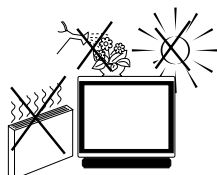
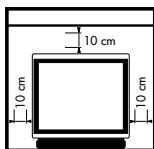
NOTICE D'UTILISATION · BEDIENUNGSANLEITUNG · ISTRUZIONI PER L'USO
LIBRO DE INSTRUCCIONES · FOLHETO DE UTILIZAÇÃO · INSTRUCTIONS FOR USE
BRUKSANVISNING · BETJENINGSVEJLEDNING · ΟΔΗΓΙΕΣ ΧΡΗΣΕΩΣ
M 3676 GC - M 5176 HC - M 5176 HCT - M 5576 GCT

SAFE USE OF THE EQUIPMENT

1. TO TURN ON



LEAVE ROOM FOR VENTILATION.



AVOID HEAT,
WATER,
DIRECT SUNLIGHT.



Do not place audio loudspeakers near to television. The magnets in the speakers could cause patches of colour to appear on the screen.

To ensure your personal safety and the efficient operation of your equipment, please follow the advice given below :

Television sets need ventilation to avoid overheating which can cause damage to the components. The ventilation slots at the back of the set should not be covered up by curtains, small covers, newspapers, etc... There must be enough room in built-in cupboards to allow the cooling air to circulate. The set should not be placed directly next to heating.

This appliance is designed for use in dry areas. If occasionally you should wish to operate it outdoors (for example, on the balcony or veranda), you must insure that it is protected against all forms of moisture (dew, rain, splashed water).

A cold set may be switched on in a warm room only after any condensation which may happen to be on the screen has evaporated. Never remove the cabinet back. Have your aerial installed by an authorised dealer or service technician.

In the evenings, after the TV programmes, or in case of a prolonged absence, it is recommended that the appliance be switched off using the on/off switch.

Even if the ON/OFF switch is in OFF position the set is not completely separated from the mains. In order to separate the set completely from the mains, the set has to be disconnected by unplugging the mains plug.

Remove the power plug from the wall outlet under the following conditions :

1. During a thunderstorm, it is also recommended that you disconnect the aerial plug.

2. In case of malfunction, if the set does not operate normally.

Additional information :

Your TV set is adequately shielded to prevent emission of X-rays.

The acceleration voltage does not exceed the maximum value of 26 kV.

Work by non-qualified technicians, modification of the high voltage setting or the replacement of the tube with a model that does not comply with the manufacturer's specifications may lead to X-radiation.

A set changed in any of the above ways no longer satisfies the initial specifications and should not be put back into service.

2. CARE OF THE EQUIPMENT

The screen should be cleaned with liquid glass cleaner.

- Never use abrasive cleaners.
- To clean the front and the cabinet of your equipment use a soft cloth dipped in mild detergent. The use of strong solvents such as white spirits or alcohol based products could damage your equipment.
- Clean the vents on the rear panel of your set regularly.

3. DEMAGNETISATION

The earth's magnetic field may have an effect on your television by causing patches of colour to appear on the screen.





If this happens :

- Switch off the television with the on-off button
- Wait a few minutes, and then press again to switch on.



This allows the screen to be demagnetised automatically. If patches of colour are still visible repeat the procedure.

THE REMOTE CONTROL

MAIN MENU to call up the menus :

-  **PREF.** ▶ Picture _____ page 9
-  **---** : **---** ▶ Setting the clock _____ 11
-  **Program.** ▶ Manual channel setting _____ 13
-  **Organis.** ▶ Re-organizing programmes _____ 8

TIMER MENU to select functions :

-  ▶ Stand-By (Sleep timer) _____ page 11
-  ▶ Alarm _____ 12

The menus *Program.*, *Organis.* and *TIMER* can be locked. If you cannot display them, see page 18 on how to unlock them.

The first line of the menus is automatically selected. To select another line, simply press the button again, to move down through the menus.

SOUND SELECTION

PICTURE SELECTION

PROGRAMME SELECTION

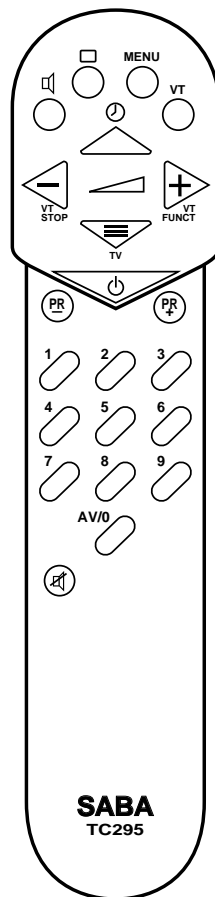
VOLUME LEVEL,
and adjustment or selection in menus.

INFORMATION DISPLAY,
(current channel, time, pre-sets)
and to leave menus.

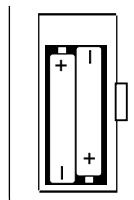
SOUND MUTE

TELETEXT (optional : M 3676 GC - M 5176 HC)
and scroll up through the menus.

STAND-BY



Batteries : Remove the lid at the back of the remote control and insert two 1,5 V batteries, TYPE LR03 (AAA) or equivalent.



For a cleaner environment, please dispose of used batteries in the containers provided for this purpose.

CONTENTS

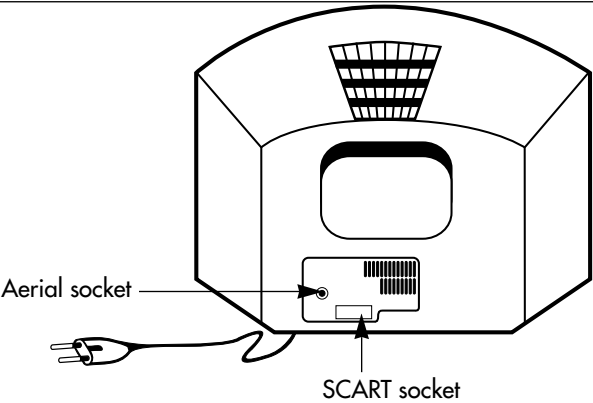
	Page		Page
CONNECTIONS AND CONTROLS	4 - 5	ALARM	12
TO TURN ON	4	MANUAL CHANNEL SETTING	13
AUTOMATIC CHANNEL SETTING	6	CHILD LOCK	14
PICTURE ADJUSTMENTS	9	TELETEXTE - FASTEXT - TOP TEXT	15
DAY TO DAY OPERATION	10	CONNECTIONS	17
OTHER FUNCTIONS	11	LOCKING MENU	18

M 3676 GC

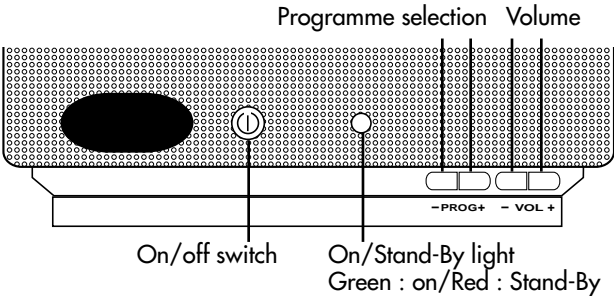
CONNECTIONS AND CONTROLS

At the back of the set.

Connect to A. C. main supply
220 - 240 V ~ 50 Hz.



In front of the set.



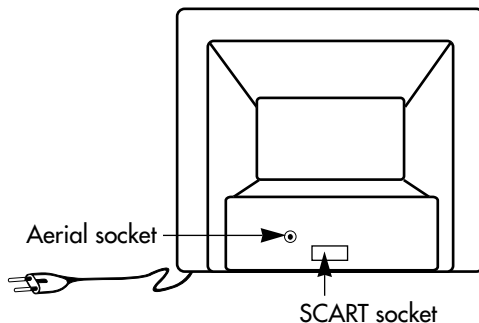
TO TURN ON

Press the on/off switch; the indicator light comes on.
Press button 1 on the remote control.
If your television set has not been tuned in, you may now begin tuning the channels.
Proceed to selecting the menu language in the *INSTALLATION MENU* page 6.

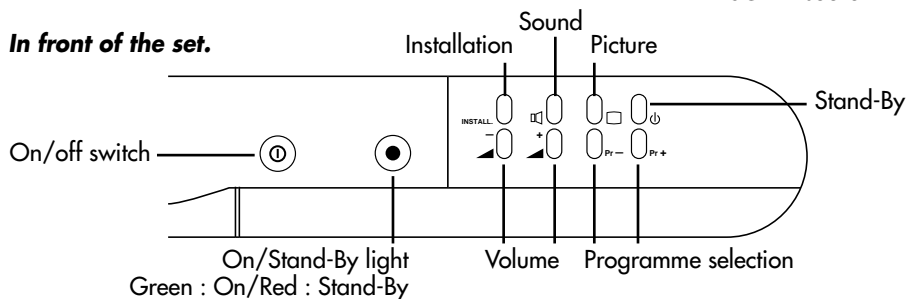
M 5176 HC/HCT CONNECTIONS AND CONTROLS

At the back of the set.

Connect to A. C. main supply
220 - 240 V ~ 50 Hz.



In front of the set.

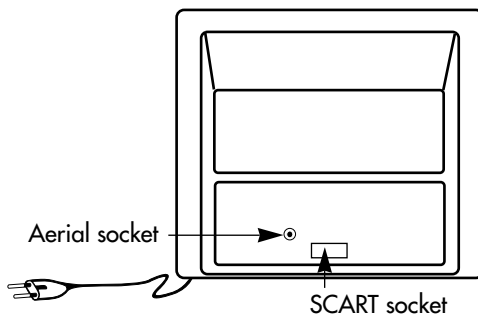


M 5576 GCT

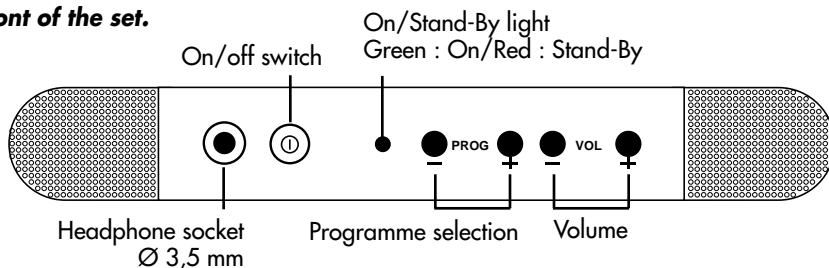
CONNECTIONS AND CONTROLS

At the back of the set.

Connect to A. C. main supply
220 - 240 V ~ 50 Hz.



In front of the set.



AUTOMATIC CHANNEL SETTING

This set is equipped with an automatic search system which will search and store all channels available in your region. To help identify the programmes, we suggest that you have to hand a TV guide or daily newspaper.

Ensure that the aerial lead is connected to the television and any VCR or SAT equipment that is connected via the antenna is turned on but do not switch on if also/only connected to a Scart/AV input.

Searching for stations and storing them in memory depends on the language selected in the INSTALLATION MENU.

FRENCH AND ENGLISH

Searches DKK' channels then BG channels.

OTHER LANGUAGES AND FRENCH (BELGIUM, SWITZERLAND)

Searches BG channels then DKK' channels.

1. INSTALLATION MENU

When the television set is turned on for the first time, the Installation menu appears automatically. If this menu is not displayed, you can make it appear as follows :

M 5176 HC/M 5176 HCT

- Press and hold (4 seconds at least) on the INSTALL. button on the television keypad pressed down until the INSTALLATION MENU appears.

M 3676 GC/M 5576 GCT

- Switch the television to Stand-By.
- Switch off the television by pressing the on/off switch and wait for the light to go out.
- Switch the set back on, whilst keeping the PROG – button on the television keypad pressed down until the INSTALLATION MENU appears.

Press repeatedly the button to select the menu language you require.

Press briefly, a new menu appears, automatic search begins. The cursor will move from left to right.

Please wait until the following menu appears.

Press briefly to restart the search in other broadcasting standard,

or

press briefly to display the PROGRAMME ORGANIZER menu.


The PROGRAMME ORGANIZER menu appears automatically when the search for channels in other standard is complete.

INSTAL. MENU

English	press +
Deutsch	
Français	
Français (Belgique, Suisse)	
Italiano	
Español	

English press +

AUTO-PROGRAMMING

Searching for stations
DKK'  CCXX
Stations found : XX

Stations found : X X
Search stations in
other standards ?

Yes  No 



2. PROGRAMME ORGANIZER MENU

This menu is used for :

- allocating programme numbers and name the programmes auto tune has found (ie. BBC 1 in Prog. 1, etc...).
- storing the changes made in memory.
- erasing a programme.

PROGRAMME ORGANIZER

PR 01 CH22

To select a station	PR - / PR +
To give a prog. no.	+
To erase this station	-
When completed : press [TV]	

ERASING - STORING PROGRAMMES

Select the programme.

To erase :

keep pressed for some seconds until the station disappears.

To store :

press briefly and a new menu will appear.

Select the number that you want to give to the programme.

PROGRAMME ORGANIZER

PR 01 CH22

To select a station	PR - / PR +
To give a prog. no.	+
To erase this station	-
When completed : press [TV]	

PROGRAMME ORGANIZER

PR 01 CH22

Program No : - -	- / +
Name : - - - -	
To store and continue	

PROGRAMME NAME

Press briefly to move to the **Name** line.

Press briefly. The first dash flashes.

Hold down (PR +) : the characters are displayed in ascending order.

Hold down (PR -) : the characters are displayed in descending order.

When the character you are looking for is displayed, move on to the next (+), or preceding dash (-).

To insert a space, use the empty character (between B and A).

Name : - - - - PR - / PR + - / +

TO STORE IN MEMORY

Press briefly to select the **Store** line.

Press briefly to store your changes in memory, the + turns to OK.
The **PROGRAMME ORGANIZER** menu then reappears.

Repeat the above procedure to change other programmes.

To store and continue +

Press briefly to clear the menu from the screen.

NEW CHANNELS

If a channel is not found or a new channel starts to broadcast in your region please refer to **MANUAL CHANNEL SETTING**.

NEW REGION

(If you move to another region, or you want to start again for any other reason)

Start the automatic search again and reorganise the programmes. To do this, call up the INSTALLATION menu and proceed as described earlier (page 6).

All programmes and names previously stored are then erased.



Press briefly to clear the menu from the screen.

RE-ORGANIZING PROGRAMMES

If you subsequently wish to re-organize the order of your programmes please proceed as follows :

MENU



Press briefly to call up the main menu.

MENU



Press repeatedly until the **Organis.** line is selected.

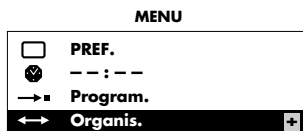


Press briefly and the PROGRAMME ORGANIZER menu is displayed.

While the television is in any AV mode, (audio-visual), PROGRAMME ORGANIZER menu cannot be displayed.



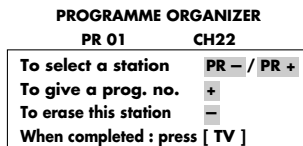
Select the programme.



To erase :
keep pressed for some seconds until the station disappears.

To store :
press briefly and a new menu will appear.

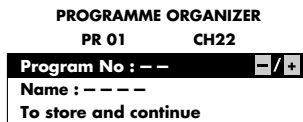
Select the number that you want to give to the programme.



Press repeatedly to select the **Store** line.

Press briefly to store your changes in memory, the + turns to OK.
The PROGRAMME ORGANIZER menu then reappears.

Repeat the above procedure to change other programmes.



Press briefly to clear the menu from the screen.

PICTURE ADJUSTMENTS

MENU



MENU



Press briefly to call up the main menu.

The **PREF.** line is selected

Press briefly and the picture menu appears.

The first line is selected.

Press the button repeatedly to select the function you want to adjust :



BRIGHTNESS



COLOUR



CONTRAST



SHARPNESS



TINT

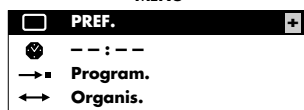
The sharpness adjustment is active only in PAL or NTSC mode.

The tint adjustment is active only in NTSC mode.

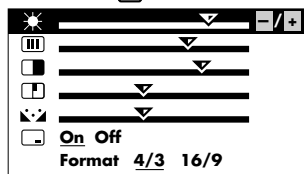
To carry out the adjustments.

These personal adjustments can be recalled at a later stage (page 10, **PREF.**).

MENU



PREF.



PROGRAMME NUMBER DISPLAY

MENU



Select the line .

Press briefly to select :

On : constantly displayed **Off** : only displayed briefly after programme change



S-VIDEO (This line appears only for an AV programme)

This is used to select S - VIDEO for use with devices (camcorders) which output this type of signal (S - VHS or HI - 8).

Select the line .

Press briefly to select :

On : S - VIDEO **Off** : VIDEO



PICTURE FORMAT (only with special 16/9 signals)

This is used to select the format.

Select the **Format** line.



Press briefly to select the format : **4/3 or 16/9**.

Whenever a programme change is made, the set automatically switches over to the 4/3 picture format.

MENU



Press briefly to clear the menu from the screen.

DAY TO DAY OPERATION

SWITCHING ON - SELECTING PROGRAMMES

Switch on the television set with the mains on/off switch if the indicator is off.
If it is on, select the desired programme :

For the programmes from 1 to 9 :

Press briefly the corresponding number.

For the programmes from 10 to 59 :

Press and hold on the decimal (tens) number.

Press the (units) number.

2 -

2 4

*When the set is in Stand-By mode, you can also switch it on using buttons Pr or PROG.
-/+ on the keyboard (if the television is not CHILD LOCKED).*

PICTURE ADJUSTMENTS

The television picture can be adapted to suit the current lighting conditions.
Press repeatedly to choose the setting you wish :



=
Dark



=
Dim



=
Bright



PREF

=
Personal adjustments

SOUND ADJUSTMENTS

The television sound can be adapted to suit the sound of programme being watched.
Press repeatedly to choose the option you wish :



=
Debates, news etc...



=
Musical programmes

SOUND MUTE - VOLUME ADJUSTMENT

Pressing once turns the sound off.

The sound returns if the button is pressed once more.

Set the volume as desired.



DISPLAY - PROGRAMME UP-DOWN

Displays the settings for the channel being watched: programme name and number -
sound - time - Stand-By timer - alarm setting.

Some details will only be displayed if they have been entered.

Press repeatedly to run through the programmes stored in memory.

STAND-BY - AUTOMATIC SWITCH OFF

Press briefly. The Stand-By light becomes red.

*Note : The television will automatically switch to Stand-By after a few minutes if there is
no signal on the channel being watched.*

OTHER FUNCTIONS

SETTING THE CLOCK

MENU



MENU



Y-STOP



MENU



Y-STOP



Y-STOP



TV

Press briefly to call up the main menu.
The **PREF.** line is selected.

Press briefly to select the -- : -- line.

Press briefly. The Time Set menu is displayed.

Press briefly to select the **Program** line.
This line is inactive for M 3676 GC and M 5176 HC.

Using the – and + keys, choose a programme which broadcasts teletext. The teletext time of this programme only will be used as a reference for the internal clock.
The internal clock sets itself automatically every time you select the reference programme or select the time as follows :

Press briefly to select the line.

Press – repeatedly to adjust the hours.

Press + repeatedly to adjust the minutes.

Press briefly to clear the menu from the screen.

If you unplug or turn off your television, the time setting is lost. You can reset the clock as above.

STAND-BY (SLEEP TIMER)

Press briefly. The menu shown on the right is displayed.

The line is selected.

Stand-By times of between 15 minutes and 4 hours can be set (in 15-minute steps).

Press repeatedly to adjust the hours (max. 4 hours).

Press repeatedly to adjust the minutes (from 0 to 45 minutes in 15-minute steps).

Press briefly to clear the menu from the screen.

The time left before Stand-By can be checked at any time:

Press briefly. The time left is displayed for a few seconds. 00 : 13

The television will switch to Stand-By at the end of the timer interval.

The Stand-By light flashes to indicate that the CHILD LOCK function has been activated. The set can only be switched on again using the remote control not by the keyboard.

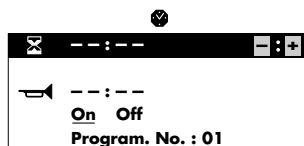
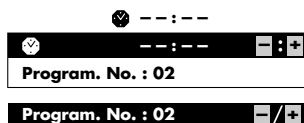
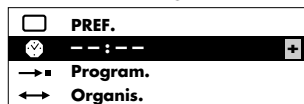
You can cancel a sleep timer command.

Press briefly to display the menu.

Press repeatedly to go back to -- : --.

Press briefly to clear the menu from the screen.

MENU



ENGLISH

ALARM

This cannot be used if the clock is not set.

You can programme your television set to switch on automatically to a chosen programme at a chosen time. Firstly, make sure that the internal clock is set to the correct time. To do so :

Press briefly.

If the time display is -- : --, you cannot set the alarm. In this case, or if the time displayed is incorrect, you must first set the clock. Refer to the SETTING THE CLOCK section.

If the time displayed is correct, the alarm can be programmed.

Press briefly. The menu shown on the right will appear.

Press briefly to select the  line.

Press repeatedly to adjust the hours.

Press repeatedly to adjust the minutes.

Adjusting the alarm time automatically activates the alarm function :

On is selected.

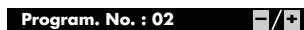
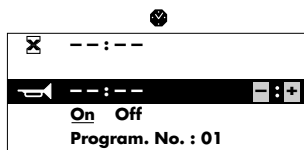
Select the **Program. No.** line.

Choose the programme you want the set to switch on to.

If you wish to cancel the alarm function,


select the **On** line.

Select **Off** to deactivate the alarm function.



Press briefly to clear the menu from the screen.

Switch the television to Stand-By.

The Stand-By light flashes. The television will switch on to the selected channel at the time programmed. The symbol  appears on the bottom right of the screen. It will automatically switch off after five minutes if no key is pressed on the remote control or on the television keypad.

If the set is switched on before the alarm function is activated, it will not switch to the programme selected for the alarm at the programmed time.

It is possible to programme both the automatic switching off (SLEEP TIMER) and switching on (ALARM). In this case, the automatic switching on time must be programmed to take place after the switching off time.

MANUAL CHANNEL SETTING

MENU



MENU



Press briefly to call up the main menu.

Press repeatedly to select the **→■ Program.** line.

While the television is in any AV mode, (audio-visual), PROGRAM. menu cannot be displayed.



Press briefly to display the **→■ PROGRAM.** menu. The first line is selected.

MENU

<input type="checkbox"/>	PREF.	---	:	---
→■	Program.	+		
←■	Organis.			

→■ PROGRAM.

Norm :		EURO	DKK'	-	/	+
→■	CH X X	▼				
	CC					
←■		▼				
Program. No. :		X X				
Name :		----				

1. SELECTING THE BROADCASTING STANDARD

Press repeatedly to select :

EURO Western Europe, Tunisia, Morocco (B, G)

DKK' Eastern Europe, Middle East, Africa, French territories (D, K, K')

2. CHANNEL SEARCH

► *If you do not know the channel numbers*

Select the **→■** line.

Start the search by pressing :

— : backward channel search. + : Forward channel search.

The cursor will move and the channel numbers are displayed on the CH line when received via the aerial or on the CC line for cable network.

Once a station has been received, the picture appears on the screen. If the picture, corresponds to the station required, go to the **→←** line, otherwise continue the search.

► *If you already know the channel numbers*

Select the CH line for TV channels (aerial) or CC for cable networks.

Enter the channel number (it must have 2 digits).

e. g. : channel 6, enter 0 and then 6.

2. FINE TUNING (OPTIONAL)

Fine tune can be used to remove interference if necessary.

Press briefly to select the **→←** line.

Press + or — to change the picture as necessary.

→■ PROGRAM.

Norm :		EURO	DKK'	-	/	+
→■	CH X X	▼				
	CC					
←■		▼				
Program. No. :		X X				
Name :		----				

If you have a decoder to receive a scrambled channel, the TV set goes into AV when this channel is being received.

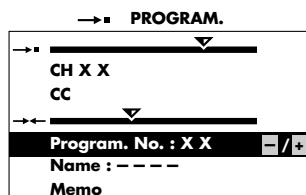
In this case, disconnect the SCART socket from your decoder and call up the PROGRAM. menu. Select the $\rightarrow \leftarrow$ line (Fine Tuning), reconnect the SCART socket and adjust the fine tuning if necessary.

4. PROGRAMME NUMBER



Press briefly to select the **Program. No.** line.

Enter an unused programme number using the remote control.



5. CHANNEL NAME



Press briefly to move to the **Name** line.



Press briefly. The first dash flashes.



Hold down (PR +) : the characters are displayed in ascending order.

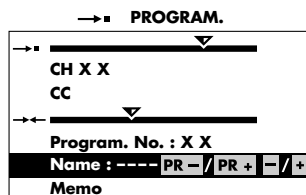


Hold down (PR -) : the characters are displayed in descending order.



When the character you are looking for is displayed, move on to the next (+), or preceding dash (-).

To insert a space, use the empty character (between B and A).



6. STORING IN MEMORY



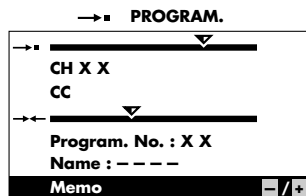
Press briefly to select the **Memo** line.



Press briefly. The + turns to OK. The channel is stored in memory. One second later, the $\rightarrow \blacksquare$ line is selected again.



Search for and store all channels for the same standard. Start again for a different standard from SELECTING THE BROADCASTING STANDARD.



Press briefly to remove the menu from the screen.

CHILD LOCK

You can prevent the use of your television set without the remote control.

The TV set is child locked :

- After the sleep timer function.
- After switching off the TV set by holding down the Stand-By button on the remote control for more than 4 seconds.

The CHILD LOCK function is indicated by the flashing of the Stand-By light. The television can only be switched back on using the remote control which cancels the child lock.

TELETEXT - FASTEXT - TOPTXT

CALLING TELETEXT



Press briefly. The index page (page 100) is displayed.

If the teletext transmitted is Fastext, a sub-menu is displayed with topics indicated by colour.

To select a topic press the corresponding colour button.

Once the topic has been selected, new topics may appear.

If the teletext transmitted is TOPTXT, the pages are grouped together under headings containing articles.

You can directly select the first page of a heading by pressing the blue button, or select the first page of an article by pressing the yellow button.

PAGE SELECTION



You can enter the number of the page desired (this must have 3 digits) E. g. : page 170 - enter 1,7,0. Once the page has been found, it is displayed.

If you type a non-existing page number with TOPTXT, this page number is displayed in red.

You can call the previous page by pressing the red button or the following page by pressing the green button.

This function does not work if the colour keys have been re-defined by FASTEXT.

Press briefly to return to the index page.



SCROLLING PAGES

Some topics require several pages. The system scrolls through these sub pages automatically.

If you wish to stop the scanning of these sub pages
(Example : 3/5)



Press briefly. Press again and scanning resumes.





OTHER TEXT FUNCTIONS

Press briefly, a new selection block appears.

Press again to return to previous header block



MENU



THE BUTTON COLOURS CORRESPOND TO THE DESIRED FUNCTION.

To enter the number of a sub page.

Example : page 3/7 (scrolling pages) : enter 0, 0, 0, 3.

As soon as a sub page is found, it appears on the screen.

Reveal :

Press briefly to reveal a hidden answer,

press again to hide it once again.

For bigger text :

Press once - upper half of the screen is enlarged

Press again - lower half of the screen is enlarged

Press a third time - return to normal text

Mixed display :

Press briefly, the teletext page appears superimposed on the TV picture.

Press again to return to the text only display.

Press briefly to return to the TV picture.

CONNECTIONS

1. AERIAL SOCKET

Enables connection of the aerial and, if required, a video-recorder, (see note for the latter). To tune the channel reserved for your video-recorder, you must insert a cassette and start it playing. Next locate the corresponding channel on your television by carrying out MANUAL CHANNEL SETTING (p. 13). Store at any programme ending with a 9 (9, 19, 29, etc...). Each time you use the video-recorder, switch to the programme assigned to it.

2. SCART SOCKET

This is used to connect :

- a VHS, 8 mm, S-VHS or Hi-8 videorecorder or camcorder.
- a PAY-TV (VIDEO) decoder.
- a PC or video games console.

In the case of an S-VHS or Hi-8 device, select S-VIDEO **On** in the Picture menu (p. 9).

To use the connected device :

Press to select the audio-visual programme.

For some devices this selection is automatic.

AV1 is displayed at the bottom of the screen, (audio-visual display).

When the VCR is stopped and if you have not changed channel during play, the TV set returns to the station previously watched.

If the television has been switched on by the video recorder, it will be placed on standby when the video recorder is switched off.

The TV set changes automatically to 16/9 format if the unit connected supplies the control voltage.

AV/0

ENGLISH

LOCKING MENU

This menu is used for:

- locking the Program., Organis. and TIMER menus,
- limiting the volume.

MENU DISPLAY

Switch the television to Stand-By, then switch it off by pressing the on/off switch. To display the Locking menu, switch the set back on using the on/off switch whilst holding down the Stand-By button of the remote control for at least 6 seconds.

The menu to the right will appear :

The MAIN MENU line is selected.



LOCKING AND UNLOCKING THE PROGRAM. AND ORGANIS. MENUS

Press briefly to select ON. The Program. and Organis. menus are now no longer accessible.

Press briefly to select OFF. The Program. and Organis. menus are then accessible again :



LOCKING AND UNLOCKING THE TIMER MENU.

Press briefly to select the TIMER MENU line.....

Press briefly to select ON.
The Timer menu is now no longer accessible.

Press briefly to select OFF. The TIMER menu is then accessible again.



VOLUME LIMITING

Press briefly to select the MAX line :

Set the maximum volume desired.

The volume will be limited to this level.

Press briefly to remove the menu from the screen.





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