THOMSON MEDIA



 WARNING :
 Before servicing this chassis please read the safety recommendations.

 ATTENTION :
 Avant toute intervention sur ce châssis, lire les recommandations de sécurité.

 ACHTUNG :
 Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.

 ATTENZIONE :
 Prima di intervenire sullo chassis, leggere le norme di sicurezza.

 IMPORTANTE :
 Antes de cualquier intervención, leer las recomendaciones de seguridad.

Code : 351 477 60 - 0401 / 00M - Wysius Print.

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Ne pas retirer les modules lorsqu'ils sont sous tension. N'effectuer les travaux de maintenance sur la partie reliée

au secteur (Switch Mode) qu'au travers d'un transformateur d'isolement.

Module nicht bei eingeschaltetem Gerät entfernen!

Servicearbeiten am Netzteil nur unter Verwendung eines Regeltrenntrafos durchführen.

Non scollegare le piastre quando sono alimentate!

Per le riparazioni sulla sezione alimentatore, utilizzare un trasformatore isolatore.

No desconectar los módulos cuando están activados. Las reparaciones en la sección de alimentación de energía deben ser ejecutadas solamente con un transformador de separación.

🖄 Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be garanteed.

Le remplacement des éléments de sécurité (repérés avec le symbole 🖄) par des composants non homologués selon la Norme CEI 65 entraine la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol 🔏 gekennzeichnet) nicht durch Original - Ersatzteile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione dei componenti di sicurezza (evidenziati con il segno 🖄) con componenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio. In tal caso è "esclusa la responsabilità " del costruttore.

La sustitución de elementos de seguridad (marcados con el simbolo 🖄) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

MEASUREMENT CONDITIONS - CONDITIONS DE MESURES - MESSBEDINGUNGEN CONDIZIONI DI MISURA - CONDICIONES DE MEDIDAS

RECEPTEUR ·

RECEIVER ·

On UHF, input level : 1 mV, bar test pattern : - PAL, I standard, 100% white

Via the scart socket, input level : 1 Vpp, bar test pattern : Colour, contrast and brightness at mid-position, sound at minimum. Programme selected : PR 01

DC voltages measured between the point and earth using a digital voltmeter.

RICEVITORE ·

In UHF. livello d'entrata 1 mV. monoscopio barre : - PAL, norma G. bianco 100% Via SCART, livello d'entrata 1 Vpp, monoscopio barre : Colore, Contrasto, Luminositá media, Suono minimo. Programma selezionato PR 01 Tensioni continue rilevate rispetto alla massa con un voltmetro digitale.

En UHF, niveau d'entrée 1 mV mire de barres Bei UHF Eingangspegel 1 mV, Farbbalken : - PAL, Norm G, Weiss 100%. - SECAM, Norm L, Blanc 100%. Par la prise Péritélévision, niveau d'entrée 1 Vcc, mire de barres . Couleur, contraste, lumière à mi-course, son minimum. Programme affecté PR 01. Tensions continues relevées par rapport à la masse avec un voltmètre numérique. RECEPTOR : En UHF, nivel de entrada 1 mV, mira de barras :

Über die Scartbuchse : Eingangspegel 1 Vss, Farbbalken : Farbe, Kontrast, Helligkeit in der Mitte des Bereichs, Ton auf Minimum. Zugeordnetes Programm PR 01. Gleichspannungen mit einem digitalen Voltmeter zur Masse gemessen. - PAL, norma G, blanco 100%

Por la toma Peritelevision, nivel de entrada 1 Vpp mira de barra. Color, Contraste, luz a mitad de carrera, Sonido minimo. Programa afectado PR 01.

EMPFÄNGER

Tensiones continuas marcadas en relacion a la masa con un voltimetro digital

中20 **口** 18 17 🛱 **中**16 15 📥 **中**14 13 🛱 **中**12 11 **中**10 9 🛱 **中**8 7 🛱 **中**6 5 📥 **中**4 3 📥 **中**2

- NOTE : MAIN ... etc. identifies each pcb module.
- NOTE : (MAIN) ... etc. repères des platines constituant l'appareil.
- HINWEIS: (MAIN) ... usw. Kennzeichnung der Platinen, aus denen das Gerät zusammengesetzt ist.
 - NOTA : (MAIN) ... ecc. sigla delle piastre dell' apparecchio.

NOTA : (MAIN) ... etc. marcas de las placas que constituyen el aparato.

中		ENGLISH	FRANÇAIS	DEUTSCH	ITALIANO	ESPAÑOL			
1	œ	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"			
2	Ð	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"			
3	œ	AUDIO "L"	AUDIO "G"	AUDIO "L"	AUDIO "S"	AUDIO "I"			
4	_	AUDIO	AUDIO	AUDIO	AUDIO	AUDIO			
5		"BLUE"	"BLEU"	"BLAU"	"BLU"	"AZUL"			
6	Ð	AUDIO "L" MONO	AUDIO "G" MONO	AUDIO "L" MONO	AUDIO "S" MONO	AUDIO "I" MONO			
7	Ð	"BLUE"	"BLEU"	"BLAU"	BLU	AZUL			
8	Ð	SLOW SWITCH	COMMUT. LENTE	AV UMSCHALTUNG	"COMMUTAZIONE LENTA"	"CONMUTACION LENTA"			
9	_	"GREEN"	"VERT"	"GRÜN"	"VERDE"	"VERDE"			
10	NC								
11	Ð	"GREEN"	"VERT"	"GRÜN"	"VERDE"	"VERDE"			
12	NC								
13	<u> </u>	"RED"	"ROUGE"	"ROT"	"ROSSO"	"ROJA"			
14	NC								
15	Ð	"RED"	"ROUGE"	"ROT"	"ROSSO"	"ROJA"			
16	Ð	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"			
17	1	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO			
18	<u> </u>	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"			
19	⊖	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO			
20	$\overline{\mathbf{O}}$	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDEO ODER SYNCHRO	VIDEO O SINCRO	VIDEO O SINCRO			
21	⊖ •	PLUG SCREEN BOX	BLINDAGE PRISE	ABSCHIRMUNG DES STECKERS	INVOLUCRO METAL- LICO DELLA PRESA	BLINDAJE DEL ENCHUFE			

🕁 : INPUT - ENTRÉE - EINGANG - ENTRATA - ENTRADA • 🔿 : OUTPUT - SORTIE - AUSGANG - USCITA - SALIDA • 上 : EARTH - MASSE - MASSA - MASA



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VIDEO TROUBLESHOOTING

No image, picture error
No PC picture
No HD/DVD picture
No RGB signal14
Synchonisation trouble

AUDIO TROUBLESHOOTING

No audio signal from SP output	

ADJUSTMENT LOCATION

MAIN module
VIDEO module
POWER module 21

BLOCK DIAGRAMS

AUDIO module	1
MAIN module	2
VIDEO module	3



DISASSEMBLY

1. Removing the back panel assembly



2. Removing the connectors

- Remove the connectors 02 , 03 , 04 , 05 , 06 , 07 ,
- Remove the button 08 and the screw 09 pull the part 10 ,
- Remove the connectors 1 , 1 , 1 , 3 , 4 , 5 ,
- Remove the connectors 16 et 17,
- Remove the connector (18),







- Remove the parts $\widehat{\mbox{26}}$ and the earth plate (pulse) $\widehat{\mbox{27}}$.

- Remove the connectors (19, 20, 21, 22,
- Remove the screws (23) and (24) , and disconnect the cable (25)



- 3. Removing the main module assembly
 - Remove the 8 screws (28),
 - Lift the main module assembly 29 up.

- 4. Removing the power unit
 - Remove the 8 screws 30,
 - Lift the power unit 3 up.



28)



- 5. Removing the left terminal panel assembly
 - Remove the 6 screws 3 and the 7 screws 3,
 - Remove the terminal panel (MMP-L) assembly.
 - 5.1 Removing the audio amplifier module
 - Remove the 3 screws 34,
 - Remove the 2 screws 35,
 - Take out the audio amplifier module.
 - 5.2 Removing the RS232C module
 - Remove the 3 screws 36,
 - Remove the 2 screws 37,
 - Take out the RS232C module.
 - 5.3 Removing the speaker sockets
 - Unscrew the 2 screws 38,
 - Remove the speaker sockets.





- 6. Removing the right terminal panel assembly
 - Remove the 6 screws 39 and the 7 screws 40 ,
 - Take out the terminal panel(MMP-R) assembly,
 - Remove the 7 screws (1) and lift the part (2) up.





- 6.1 Removing the video module
- Unscrew the 5 screws (43) and the 2 screws (44) ,
- Take out the video module.

6.2 Removing the panel module

- Remove the 2 screws (4),
- Disconnect the wire (45),
- Take out the panel module.



WIRE LOCATION

After replacement of the modules refer to the below diagram to mount ferrites and connect the modules again.





DIAGNOSTIC

The power LED located on the front of the display is a bicolour LED wich indicates the operating status including the normal, standby and three error detections















VIDEO TROUBLESHOOTING













AUDIO TROUBLESHOOTING





ADJUSTMENTS

ADJUSTMENTS NECESSARY AFTER REPLACEMENT OF MODULES:

- After replacement of MAIN module, perform the adjusments of "video screen position" and "DVD/HD/DTV screen position".
 After replacement of POWER or PDP module, perform the adjusment of "+170V/+70V" and "+5V". When replacing PDP module, the "usage time" should be reset (as shown below)
- Replacing another module does not require further adjustment unless abnormal conditions are encountered.



SERVICE MODE

It is necessary to enter the Service Mode in order to carry out alignment of the set. Most adjustments must be made with the RCU.

1 ACCESSING SERVICE MODE

- Using the remote control, press successively the zoom "-" (,), exit, mute (), and zoom "-" (,) buttons.
- The main service menu appears on the screen.



2 NAVIGATION INSIDE THE SERVICE MODE

- Press the "menu" button to select the menu.
- Press the ∧ ✓ buttons to select the menu line.
- Press the ∢ / » buttons to make adjustments.
- NB : the value of the adjustment is memorized automatically.

3 EXITING FROM SERVICE MODE

• To exit the service mode menu press successively, the zoom "-" (_-), exit, mute (_) and zoom "-" (_-) buttons on the remote control.

4 CLEARING THE USAGE TIME

- Enter the service mode and select the "usage time" menu,
- Using the remote control, press successively the mute
- (ⓑ,), ∧, ∀, and zoom "-" (<,-) buttons.

ZOOM SEQUENCE

It could be necessary to change the zoom mode in order to carry out some alignments of the set. Press the "format" button of the remote control. The mode switches as shown in the margin.





MAIN Video screen position	SERVICE MODE "POSITION" menu	NTSC test pattern : Video input Select VIDEO input with the Remote Control or keyboard Select "cinerama" with the "format" key of the Remote Control	If there is any displacement of the display range in the PDP module, select "MHPOS" and "MVPOS" lines, and adjust correctly. Select "H POS" line and adjust Select "V POS" line and adjust Check that "H PHA" = 0 and "H CLK" = 0 Adjust separate for zoom; 4/3; 16/9 and PAL; SECAM.
MAIN DVD/HD/DTV screen position	SERVICE MODE "POSITION" menu	DDTV test pattern : DVD/HD/DTV input Select RGB2 input with the Remote Control or keyboard Select "cinerama" with the "format" key of the Remote Control	If there is any displacement of the display range in the PDP module, select "MHPOS" and "MVPOS" lines, and adjust correctly. Select "H POS" line and adjust Select "V POS" line and adjust Check that "H PHA" = 0 and "H CLK" = 0 Adjust separate for zoom; 4/3; 16/9 and PAL; NTSC.
POWER +170V +70V	RV4 RV3	Apply colour bar test pattern to either Video, HD/DVD or VGA input Power switched ON	$ \begin{array}{c} \begin{array}{c} V = \\ V = \\ V = \\ TP4 \end{array} \end{array} \begin{array}{c} \mbox{Adjust RV4 to obtain the specified PDP module voltage value +/-1V at TP3 (+170V). This value is the Vs value indicated on the label pasted on the back of PDP module \\ \end{array} \\ \begin{array}{c} \mbox{Adjust RV3 to obtain the specified PDP module voltage value +/-1V at TP2 (+70V). This value is the Vd value indicated on the label pasted on the back of PDP module \\ \end{array} \\ \begin{array}{c} \mbox{Adjust RV3 to obtain the specified PDP module voltage value +/-1V at TP2 (+70V). This value is the Vd value indicated on the label pasted on the back of PDP module \\ \end{array} \end{array} $
POWER +5V	RV6	Apply colour bar test pattern to either Video, HD/DVD or VGA input	V = V = V = 5.1 V + - 0.1 V $V = 5.1 V + - 0.1 V$



ADJUSTMENT LOCATION

MAIN module





VIDEO module







BLOCK DIAGRAMS

AUDIO module





MAIN module





VIDEO module



Wysius⁻ First issue 04 / 01



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