

Revision history	
2003-01-31	<ul style="list-style-type: none"> • Added settings for PW9416
2003-01-27	<ul style="list-style-type: none"> • Added MG3.2E (version 4.04, October 2002) software binary info (MG32E11.4_04201)
2003-01-12	<ul style="list-style-type: none"> • Added 29PT9007 in table
2002-12-30	<ul style="list-style-type: none"> • Added 36PW9767 settings
2002-11-19	<ul style="list-style-type: none"> • Added 32PW5407 in table
2002-11-02	<ul style="list-style-type: none"> • Added settings for 32PW6515 • Added 32PW6516 in table
2002-10-25	<ul style="list-style-type: none"> • Added tip about switching channels when entering the service code
2002-09-30	<ul style="list-style-type: none"> • Added 36PW9617 in table
2002-09-14	<ul style="list-style-type: none"> • Added 32PW9767 settings and customer service menu
2002-09-13	<ul style="list-style-type: none"> • Added 28PW6515 settings
2002-08-31	<ul style="list-style-type: none"> • Added 36PW9527 in table • Added 28PW6305 in table
2002-08-24	<ul style="list-style-type: none"> • Added request for settings • Added 28PW6515 in table
2002-06-28	<ul style="list-style-type: none"> • Added 28PW9617 in table • Added remark about repeating the second number for alternatives codes
2002-05-25	<ul style="list-style-type: none"> • Added 32PW9765 in table • Added 32PW9765 settings in table
2002-04-30	<ul style="list-style-type: none"> • Added remark on software replacement • Moved software version overview from Miscellaneous page • Moved MG2 stuff from Miscellaneous page
2002-04-14	<ul style="list-style-type: none"> • Page name changed • Added service pins method warning for disabled security features • Added 32PW9545 to table and to settings
2002-04-07	<ul style="list-style-type: none"> • Added 32PW9525 settings
2002-03-26	<ul style="list-style-type: none"> • Added some more 32PW9616 settings
2002-03-20	<ul style="list-style-type: none"> • Added 24/28PW6006 in table
2002-03-14	<ul style="list-style-type: none"> • PW9616 link/material added
2002-03-10	<ul style="list-style-type: none"> • Added link to Philips customer care site
2002-03-09	<ul style="list-style-type: none"> • Added 32PW9673 in table • Added 32PW9617 in table
2002-03-03	<ul style="list-style-type: none"> • Added some remarks on adjusting geometry • Moved some material to Miscellaneous section
2002-02-09	<ul style="list-style-type: none"> • Added text to PW8206 in table
2002-02-02	<ul style="list-style-type: none"> • Added reference to english manual of PW9525
2002-01-19	<ul style="list-style-type: none"> • Added 28PW9505 in table

Modern TV's have most of their settings set by software. To get in the so-called 'service mode' there are two

Option 1:

In the TV-set itself is a 3-pin connector with which either SERVICE-DEFAULT or SERVICE-MODE can be .
DEFAULT.

IMPORTANT NOTE: using the service pins will disable any software security feature!!

Option 2:

Activate these modes using the remote control.

Obviously option 2 is the preferred method because the settings have to be changed using a remote control

To activate SERVICE-DEFAULT:

- Press **0 6 2 5 9 6** and then the **[menu]** button
The message 'Service Default' appears and channel 'SER T' will be selected. This only sets some set
This mode is primarily intended to set things to a predefined state for servicing. Measurements/adj

To activate SERVICE-MODE:

- Press **0 6 2 5 9 6** and then the **[i+]** button

After pressing **0 6 2 5 9 6** the message 'Dealer' should have appeared.

Other codes which seem to work:

0 1 6 2 5 9 6
0 3 6 2 5 9 6
0 4 6 2 5 9 6
0 7 6 2 5 9 6
0 8 6 2 5 9 6

These alternative codes have just an additional number after the '0'. The additional number is any number w
More precisely: the number following the '0' can be repeated multiple times, so

0 1 1 1 6 2 5 9 6 is also acceptable.

Note: press the numbers not faster (or slower) than you would normally do if you had to press multiple num
Tip from Jan Christiaan van Winkel: if you switch to Teletext mode before entering the service code then the

Service technicians have the means of entering service mode using a special remote control. So, if above m
[control codes](#) section for these. If you don't own a programmable remote but want to build your own: go to

**It has been pointed out to me, by someone named Martin, that entering the service default mo
However, be warned that if you use the service pins to access service mode all software securit**

The service mode menu will look something like this:

```

Date: Sep 26 2000 Id: MG31E11.8_02581

Operation Hours: XXXXX.X
Errors: XXX XXX XXX XXX ...

Defect. Module: Unknown

Service

Reset Error Buffer
Functional Test
Alignments
Dealer Options
  
```

The 'Alignment' and 'Dealer Options' have sub-menu's which are layout in the following table. The bold setti <http://www.zanden.cistron.nl/tv>).

The (2)/(3) settings are also for a 32PW9616 and were once to be found at <http://www.homepages.hetnet>.

The (4) settings are for a 32PW9545 which are contributed by Mark Pickstone.

Note that the (5) settings, for a 32PW9765, are known to be not 'geometry' perfect.

The (6) settings are for a 32PW9767/12 which are contributed by René Krottje (Software version MG32E11.

The (7) settings are for a 36PW9767/58 which are contributed by Michael Skyriotis.

The (8) settings are for a PW9416 (Software version MG31E11.8_02581).

Every TV has it's specific settings (especially the geometry). So, everyone is invited to send in his, or hers, li

More tables are following the next table. These other tables are for TV's which use a different layout.

Service mode settings						
Use the cursor keys to go through the selection/settings. To go back a selection use [menu].						
Selection	Selection	Selection	Selection	Settings (28PW9525)	Settings (32PW9525)	Se
Alignments	General	Drive	Test Pattern	Off / On	Off / On	O
			Red	19 (Normal) / 21 (Warm) / 18 (Cool)	26 (Normal) / 28 (Warm) / 25 (Cool)	26 (V
			Green	20 (Normal) / 20 (Warm) / 20 (Cool)	20 (Normal) / 20 (Warm) / 20 (Cool)	20 (V
			Blue	20 (Normal) / 16 (Warm) / 24 (Cool)	21 (Normal) / 17 (Warm) / 25 (Cool)	21 (V
			Cathode	6	7	6
			Red BL offset	7	7	7
			Green BL offset	7	7	7
			Tint	Normal / Warm / Cool	Normal / Warm / Cool	N
		Luminance Delays	Lum. Delay Pal	7	7	7
			Lum. Delay Secam	11	11	11
			Lum. Delay Bypass	10	10	10
		EHT compensation	0	0	1	
		Soft clipper	Pwl+0% / Pwl+5% / Pwl+10% / Off	Pwl+0% / Pwl+5% / Pwl+10% / Off	P Pv	
		Luma gain	1	1	1	
		IF AFC	82	64	67	
		Tuner AGC	16	19	19	
		Blend intensity	22	18	22	
		Adjust Peak White Limiter	4	4	4	
		Vg2 Test Pattern	Off / On	Off / On	O	

	VDS/PIP	IF AFC	0	0	0
		Tuner AGC	31	31	31
Normal Geometry	Test Pattern		Off / On	Off / On	0
	V slope		53	39	39
	V. shift		35	24	35
	V. amplitude		38	32	24
	V S-Correction		0	0	9
	H. shift		28	31	31
	H. amplitude		44	52	52
	East/West Parabola		44	43	16
	Upper East/West corner		6	10	24
	Lower East/West corner		5	9	36
	East/West Trapezium		17	28	24
	Horizontal parallelogram		7	7	6
	Horizontal bow		10	8	7
4:3 Geometry	East/West Parabola		not available	not available	no
	Upper East/West corner		not available	not available	no
	Lower East/West corner		not available	not available	no
100 Hz Geometry	V. slope		not available	not available	no
Super Wide Geometry	Test Pattern		Off / On	Off / On	0
	V. shift		33	33	33
	V. amplitude		25	25	25
	V S-Correction		0	0	9
	H. amplitude		44	52	52
	East/West Parabola		44	43	16
Options	Dual screen/PIP	Aux type	None / Video Dual Screen / PIP	None / Video Dual Screen / PIP	N
		Text dual screen	Yes / No	Yes / No	Y
		Aux Headph. Sound	No / Yes	No / Yes	no
	Teletext/EPG	TXT	Yes / No	Yes / No	Y
		NexTView present	Yes / No	Yes / No	Y
		NexTView type	Flashram / No flashram	Flashram / No flashram	FI

Communication	Easylink Plus	Yes / No	Yes / No	Y
Picture Tube	CRT Type	16:9 / 4:3	16:9 / 4:3	1
	CRT Size	not available	not available	no
	Picture Rotation	Yes / No	Yes / No	Y
	Dynamic focus	Yes / No	Yes / No	Y
	One point control	No / Yes	No / Yes	N
	Anti-Moire	not available	not available	Y
Video repro	Featurebox type	Falconnic / Eco / Prozonc	Falconnic / Eco / Prozonc	1 Fa
	Split screen	not available	not available	no
	Field memories	3 / 2	3 / 2	3
	Lightsensor	Yes / No	Yes / No	Y
	PALplus	No / Yes	No / Yes	N
	Combfilter	Yes / No	Yes / No	Y
	Auto scavem	not available	not available	no
	Picture improvement	Yes / No	Yes / No	Y
	Picnic AGC	Yes / No	Yes / No	Y
Source Selection	External 3	Yes / No	Yes / No	Y
	External 4	No / Yes	No / Yes	Y
Audio Repro	Dolby	Pro Logic / Digital / None	Pro Logic / Digital / None	Pr No
	Rear speakers	Virtual / Cordless / Corded	Virtual / Cordless / Corded	Vi Co
	Acoustic system	FI9 DAS / FI10 / FI11 / FI12 / FI14 / FI6 / FI7 / FI8 / FI9 Monitor	FI9 DAS / FI10 / FI11 / FI12 / FI14 / FI6 / FI7 / FI8 / FI9 Monitor	FI FI FI
Miscellaneous	Heatsink Present	Yes / No	Yes / No	Y
Option Numbers		05099 12679 05953 00016 12343 00001	05099 12679 05953 00016 12343 00001 00000 00003	05 00 00

			00000 00003		
	Initialise NVM		not available		av
	Store				
Dealer Options	Picture	CTI	Yes / No	Yes / No	Y
	Personal	Blue Mute	Yes / No	Yes / No	Y
		Virgin Mode	No / Yes	No / Yes	N
		Auto Store Mode	PDC-VPS-TXT / None / PDC-VPS / TXT Page	PDC-VPS-TXT / None / PDC-VPS / TXT Page	PI PI
		Demo Menu Enable	Yes / No	Yes / No	Y
		Auto TV	Yes / No	Yes / No	Y
	Teletext	Txt Preference	FLOF / TOP	FLOF / TOP	FI
		East/West Txt	West / East	West / East	W
Store					

Typical geometry settings MG2

Typical geometry settings MG2			
Selection	Selection	Settings	Comments
Normal Geometry	Test Pattern	Off / On	
	V slope	36	Range 0-63
	V. shift	32	Range 0-63
	V. amplitude	46	Range 0-63
	V S-Correction	12	Range 0-63
	H. shift	24	Range 0-63
	H. amplitude	20	Range 0-63
	East/West Parabola	40	Range 0-63
	East/West corner	13	Range 0-63
	East/West Trapezium	24	Range 0-63
	Horizontal parallelogram	30	Range 0-15
Super Wide	Test Pattern	Off / On	
	V. shift	32	Range 0-63

Geometry	V. amplitude	28	Range 0-63
	V S-Correction	12	Range 0-63
	H. Correction	18	Range 0-63
	East/West Parabola	40	Range 0-63

Settings 32PW6515 (thanks to Walter Belgers)

Settings 32PW6515						
<i>Selection</i>	<i>Selection</i>	<i>Settings</i>	<i>Selection</i>	<i>Settings</i>	<i>Selection</i>	<i>Settings</i>
Geometry submenu	VER.AMPL	8	VER.SLOPE	36	SERV.BLK	OFF
	HOR.SHIFT	26	HOR.BOW	32	HOR.PARALLEL	30
	EW.WIDTH	37	EW.PARA	15	EW.TRAP	25
	EW.UCORN	4	EW.LCORN	16		
	H60.WIDTH	2	H60.PARA	2	H60.SHIFT	6
	V60.AMP	5	VER.SCOR	10	VER.SHIFT	27
	VER.ZOOM	25	VER.SCROLL	32		
Superwide submenu	VER.AMP	8	VER.SLOPE	36	SERV.BLK	OFF
	HOR.SHIFT	26	HOR.BOW	32	HOR.PARALLEL	30
	EW.WIDTH	42	EW.PARA	16	EW.TRAP	25
	EW.UCORN	4	EW.LCORN	16		
	H60.WIDTH	2	H60.PARA	2	H60.SHIFT	6
	V60.AMP	5	VER.SCOR	10	VER.SHIFT	27
	VER.ZOOM	35	VER.SCROLL	32		
Options submenu	ASBY	ON				
	SBND	ON				
	C169	ON				
	E149	ON				
	AV3	ON				
	AUSB	ON				
	WSCR	ON				
	CBFL	ON				
	IPIX	OFF				
	IPMU	OFF				
	VDBY	ON				
	EBG	ON				
	PITN	OFF				

ACI	ON
ATS	ON
PLST	ON
VMOD	OFF
SOSD	OFF
FAPG	ON
UKPND	OFF
DTXT	ON
DNRM	ON
VMUT	ON
AAVL	ON
ROTI	ON
SNIC	ON
TMWIN	OFF
NRPG	OFF
WSSB	ON
INCF	ON
NVM	ON
SYSTEM	EW
OB1	255
OB2	55
OB3	47
OB4	206
OB5	0
OB6	0
OB7	0
OB8	0

Settings 28PW6515 (thanks to Mats Carlsson)

Factory settings 28PW6515						
Selection	Selection	Settings	Selection	Settings	Selection	Settings
Geometry submenu	VER.AMPL	34	VER.SLOPE	37	SERV.BLK	OFF
	HOR.SHIFT	27	HOR.BOW	40	HOR.PARALLEL	43
	EW.WIDTH	41	EW.PARA	31	EW.TRAP	23
	EW.UCORN	0	EW.LCORN	8		
	H60.WIDTH	2	H60.PARA	2	H60.SHIFT	6
	V60.AMP	5	VER.SCOR	5	VER.SHIFT	40
	VER.ZOOM	25	VER.SCROLL	32		
Superwide submenu	VER.AMP	39	VER.SLOPE	38	SERV.BLK	OFF
	HOR.SHIFT	27	HOR.BOW	40	HOR.PARALLEL	43
	EW.WIDTH	46	EW.PARA	35		
Options submenu	ASBY	OFF				
	SBND	ON				
	C169	ON				
	E149	ON				
	AV3	ON				
	AUSB	ON				
	WSCR	ON				
	LBFE	ON				
	IPIX	OFF				
	IPMU	OFF				
	VDBY	ON				
	EBG	ON				
	PITN	OFF				
	ACI	ON				
	ATS	ON				
	PLST	ON				
	VMOD	OFF				
	SOSD	OFF				
	FAPG	ON				
	UKPND	OFF				
DTXT	ON					
DNRM	ON					

AAVL	ON
ROTI	ON
SNIC	OFF
TMWIN	OFF
NRPG	OFF
INCF	ON
NWM	ON
SYSTEM	EW
OB1	127
OB2	55
OB3	47
OB4	206
OB5	0
OB6	0
OB7	0
OB8	0

Geometry alignments:

When convergence or geometry alignments are to be carried out take the following hints in consideration. Have the TV set warmed up for at least 20 minutes.

When adjusting, sit in front of the TV about 1.5 .. 3 meters away from the screen. Make sure you are at eye level. Because an alignment in one area of the screen affects other areas on the screen, you need to perform several adjustments. This means that you typically adjust 'V.slope' first, followed by 'V. shift', and so on.

Note: for some typical geometry settings for a **MG2** chassis, go to the [TV: Miscellaneous](#) section.

Customer Service Menu:

Other menu's and settings, besides the service mode, are available. There is the *Customer Service Menu* (with TV). Hold down the [MENU] button (TV) and the [MUTE] button (remote) simultaneously for about 4 seconds. The alternative method: press first TV-[MENU] for 4 seconds and then press [MUTE] until menu appears.

PW9525:

CUSTOMER SERVICE MENU 1	
1 SW Version	MG31E11. 8_02581
2 Code 1	050 066 050 066 050
3 Code 2	066 050 066
4 LS Volume	0
5 LS Brightness	32
6 LS Contrast	26
7 LS Colour	19
8 LS Headphone	6
9 Sharpness	5
10 Dolby	Not present
11 Surround Mode	3D Surround
11a Tuner Frequency	751 MHz

PW9525:

CUSTOMER SERVICE MENU 2	
12 Rear Volume	5
13 Centre Volume	5
14 DNR	Maximum
15 Noise Figure	42
16 Digital Option	Natural Motion
17 Colour System	Pal
18 TV System	BG
19 Audio System	Stereo
20 Tuned bit	Off
21 Speaker config.	full internal
22 Digital sources	None

For the PW9616 model a typical customer service menu looks like this (contributed by Aad van der Zanden,

PW9616:

CUSTOMER SERVICE MENU 1	
1 SW Version	MG31E11. A_02581
2 Code 1	no errors
3 Code 2	-
4 LS Volume	9
5 LS Brightness	36
6 LS Contrast	32
7 LS Colour	33
8 LS Headphone	12
9 Sharpness	2
10 Dolby	Not present
11 Surround Mode	Pro logic
11a Tuner Frequency	681 MHz

PW9616:

CUSTOMER SERVICE MENU 2	
12	-
13 Centre Volume	11
14 DNR	Maximum
15 Noise Figure	20
16 Digital Option	Natural Motion
17 Colour System	Pal
18 TV System	BG
19 Audio System	Stereo
20 Tuned bit	Off
21 Speaker config.	Surr ext.
22 Digital sources	None
23 Rear vol left	18
24 Rear vol right	18

For the PW9767 model a typical customer service menu looks like this (contributed by René Krottje):

PW9767:

CUSTOMER SERVICE MENU 0	
0 Typenumber	32PW976712
25 FBX SW Version	310431703690

CUSTOMER SERVICE MENU 1

1 SW Version	MG32E11. 2_03611
2 Code 1	No errors
3 Code 2	-
4 LS Volume	7
5 LS Brightness	25
6 LS Contrast	51
7 LS Colour	26
8 LS Headphone	0
9 Sharpness	5
10 Dolby	Not present
11 Surround Mode	Pro logic
11a Tuner Frequency	632 MHz
13 Centre Volume	13
14 DNR	Medium
15 Noise Figure	20
16 Digital option	Pixel plus
17 Colour System	PAL
18 TV System	BG
19 Audio System	Stereo
20 Tuned bit	On
21 Speaker config.	Surround external
22 Digital sources	Ext. 1 + Dig. STB
23 Rear Volume Left	5
24 Rear Volume Right	14

Demo Menu:

One of the Dealer Options in the service mode is the 'Demo Menu Enable'. To show this *Demo Menu* you ha

<i>Item</i>	<i>Options</i>
COMB FILTER	ON / OFF
SURROUND MODE	3D SURROUND / DOLBY 3 STEREO / STEREO
TINT	NORMAL / WARM / COOL
DIGITAL OPTIONS	Natural Motion / Nat. Motion Demo / 100 Hz. / Digital Scan
SMART SOUND CONTROL	PERSONAL / MOVIE / SPEECH / MUSIC
SMART PICTURE CONTROL	PERSONAL / ECO / NATURAL / RICH / MULTIMEDIA
VIEW MODE	AUTO FORMAT / SUPER ZOOM / 4:3 / MOVIE EXPAND 14:9 / MOVIE EXPAND 16:9 / 16:9 SUBTITLE / WIDESCREEN
DYNAMIC CONTRAST	MAX / OFF / MIN / MED
DYN. NOISE REDUCTION	MAX / OFF / MIN / MED
CTI	ON / OFF
ZOOM	OFF / 1X / 4X / 8X / 16X
LIGHTSENSOR	ON / OFF

There are some options available which are normally not accessible by other methods (ie. the bold empi

Use TV-MENU to toggle the options. With TV-P+ and TV-P- you can scroll through the items. After selection
 The settings you change do not seem to be permanent (even changing the channel, while being in this menu)
 In the top of the screen the message 'Demo' is usually displayed. If you press the (i+) remote key once

Notes:

When 'Service Default' has been set, it can happen that when the TV is powered back on, it will display 'Service Default'. A response I received from Lauri gives the following method:

"The solution for me was to turn the TV off using the remote control. It wouldn't disappear if I used the tv's

The first 'hint' for these service mode codes was found in a 'TV repair answers' page from the AnaTek Corp

The text concerning was:

"QUESTION NO. P617_10: How do I get to the service menu on a Philips Widescreen 32" TV 9503?

On most Philips products, entering 0_6_2_5_9_6_MENU will bring up the default service mode.

1_6_2_5_9_6_MENU will bring up an adjustment mode on some sets.

0_6_2_5_9_7_MENU will bring up a convergence mode on some of their PTVs.

I am not sure if this will work on a 32" but it's worth a shot, it works on all Phillips PTV's of 42" and bigger.

Using the original remote, service mode062596 and hit menu; convergence mode062597 and hit menu.'

Another site which gives some explanation on service mode stuff can be found at www.keohi.com. Go to the top of the page to see how to adjust some settings (although they don't directly relate to the PW9525 model).

Electronic owner manuals can be found on most of the Philips sites. Note that this is region specific, which requires you to use the correct site, like www.ce-europe.philips.com. The english manual of the PW9525 can be found on the United Kingdom site or the Netherlands site (searchname (like '25PW9525') to find it. Entering 'PW9525' will give no results.

The customer care site of Philips has a more extensive search capability. It will find all kind of different manuals.

Compatible models:

Some replies I received show that other models accept the service code too (or not). Note that some replies have mentioned it on this page). Assuming they have tried the service code mentioned on this page, this means

Acceptance of the code depends on the software version. Software versions MG31E11.6-02291 (and of model).

For those, unfortunately, people whose television does not accept the code you might have a look on the [TV:](#)

Model:	Works:	Comments/Reported by:
27TP2785	Partially	Bruce
32PW5407	Yes	Ole Endre (menu's similar to PW6006)
24PW6006 28PW6006	Yes	John Jennings (different menu structure, see TV: Miscellaneous)
28PW6305	Yes	Christoph
32PW6315	Yes	Reported on a forum
28PW6322	No	Denis Cornet (see above)
32PW6324	No	Marcus Berglund
29PT6361	No (?)	Withawat Seailk
28PW6515	Yes	Andy C.

		Mats Carlsson <i>Slightly different menu structure (see his settings table above).</i>
32PW6516	Yes	Walter Bergers <i>(software version A10EP1-2.0).</i>
28PW6615	No	Iain Hill
32PW8206	Yes	Martin Fesch <i>The 'Normal geometry' menu has no 'Vertical shift' and 'Vertical amplitude' . The 'Superwide geometry' menu has no 'Vertical alignment'.</i>
28PW8206	Yes	Andreas Urner <i>(software version EM2E_11.6_02521 dated August 21, 2000).</i>
25PT8304	Yes (partial)	Rolf Müller <i>You have to press the sequence fast (software version MG21E13.5_02591 dated September 25, 2000). Only main service menu, no convergence possible.</i>
32PW8406	Yes	Serkan Mavus <i>Slightly different menu structure</i>
32PW8504	No	Luca Trabalzini
32PW8506	Yes	Urban M.
32PW8707	Yes	John Arnstrom <i>(EM2E chassis)</i>
28PW8806	Yes	Henk Bokhoven <i>(code '0362596')</i>
32PW8806	Yes	Italo Tettoni
32PW8807	Yes	Markku Vento <i>(code '0862596', software version EM3E11.3_03431 dated September 13, 2001)</i>
29PT9006	Yes Yes	Michael Kirsch Evaldas Urbonas <i>(software version MG21E...)</i>
29PT9007	Yes	Gerrit van Someren No vertical geometry settings possible (settings must be done by means of two potmeters on the chassis)
32PW9503	No	Thomas Engelhardt
28PW9505	No	Ricardo d'Aguiar <i>(software version MG21E13.0_01991)</i> Customer menu and demo menu are available
32PW9515	No	Petri Hietanen <i>(software version MG21E13.2_02171)</i>
28/32/36 PW9525	Yes No	Hessel Verschoor Armin Gawatz <i>(software version MG31E11.6_02291)</i>

36PW9527	Yes	Vaughn de Vocht Jan Cardon Menu's have more options. Test pattern is disabled.
32PW9534	No (?)	Carlo
32PW9544	Yes	Roman Vogel
32PW9545/05	Yes	Mark Pickstone <i>(software version MG21E13.5_02591, see also the settings overview for his settings)</i>
28PW9615	No (?)	J. Keutgen
32PW9616	Yes	Bart Kruger
28PW9617	Yes	Bart van den Boogaard <i>(software version MG32E11.2_03611, dated January 31, 2002)</i>
32PW9617	Yes	Gregor Pigula <i>MG3.2 chassis</i>
36PW9617	Yes	Marc Goldman
32PW9673	No	Gregor Pigula
32PW9723	No	Eddy Talbot <i>(software version 3104 317 01240)</i>
28PW9763	No (?)	Rob Verwimp
32PW9767	Yes	Markus Möller
32PW9765	Yes	Pascal Bulsing <i>(software version _2581)</i>
34PW9815	Yes	Eric Le Taub

Software versions

It is possible to upgrade/replace the software of the TV. The software is situated in an EPROM which can be read about them (needed jumpers and such). For those interested in programming their own EPROM a binary dump of the software; take a note of all your settings (if possible). You most likely have to set the option bytes correctly. There is also software available for the MG3.2/8E, which is version 4.04 from October 18, 2002 (MG32E11.4).

MG2.1 with Software	MG2.1 with Software	MG2.1 with Software	MG3.1 with Software
1471	1821	1991	1981
1501	1851	2091	2031
1561	1871	2171	2041
1571	1931	2311 *1	2081
1611	1961	2591 *1	2141
1861	2181		2161
1941	2411		2291 *2 *3
2191			2581 *4 -> This version accepts service code 062596
2401			

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Remarks																					
*1	<p>Using this software (or a higher version) requires setting Option Byte 8 (2nd line, last byte) from 00000 into 0000x (see table).</p> <table border="1"> <thead> <tr> <th colspan="2">Table</th> </tr> </thead> <tbody> <tr> <td>29PT9005</td> <td>00001</td> </tr> <tr> <td>29PT9015</td> <td>00001</td> </tr> <tr> <td>28/32PW9505</td> <td>00001</td> </tr> <tr> <td>28/32PW9515</td> <td>00001</td> </tr> <tr> <td>28/32PW9535</td> <td>00001</td> </tr> <tr> <td>28/32PW9545</td> <td>00001</td> </tr> <tr> <td>32PW9523/12M</td> <td>00002</td> </tr> <tr> <td>32PW9534/12M</td> <td>00002</td> </tr> <tr> <td>32PW9544/12M</td> <td>00002</td> </tr> </tbody> </table> <p>If you want to know how to do this, then have a look at the Service alignment mode page (SW4 byte).</p>	Table		29PT9005	00001	29PT9015	00001	28/32PW9505	00001	28/32PW9515	00001	28/32PW9535	00001	28/32PW9545	00001	32PW9523/12M	00002	32PW9534/12M	00002	32PW9544/12M	00002
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*2	<p>This MG3.1 software is not 100% backwards compatible with older versions. It replaces:</p> <ul style="list-style-type: none"> • 1981 • 2031 • 2041 • 2081 • 2141 • 2161 <p>Using the new software requires removing of jumper 4400 and 4401, and making jumper 4402 and 4403. From software 2161 onwards these jumpers are factory set.</p>																				
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	<p>This new software is not compatible with old versions MG31E11.2_02041, MG31E11.3_02081 and MG31E11.4_02141.</p>																				

This is why, when one replaces these old softwares by the new one, it is necessary to unsolder straps 4400 and 4401, and to assemble them in position 4402 and 4403.

*4 In this way, the FBX is connected to fast bus I2C, which is essential for this software.

For the 28PW9525/12L option byte 8 (see *3) is set to 00003.