

Pioneer *sound.vision.soul*

SEE



High Definition Plasma

PURE
vision



SEEK THE ESSENCE OF PURE

For those who seek the ultimate home entertainment experience, the Pioneer Plasma is the perfect canvas.

- Because Pioneer Plasma TVs are certified **'HD ready'**, they can accurately display high definition signals, from sources such as HDTV broadcasting, Blu-ray discs, high definition DVD discs and high definition digital camcorder footage.
- The new **PUREBLACK Panel** reproduces an entire colour palette right before your eyes — from shiny whites to lifelike evergreens and true marine blues to the richest pure-blacks. As a result of Pioneer's **PUREBLACK Crystal Layer**, black tone reproduction is extremely accurate.
- Picture quality is further advanced by **PURE Drive 2^{HD}** digital video processing, incorporating the latest developments to take full advantage of the plasma panel.
- **i-CLEAR Drive**, a part of PURE Drive 2^{HD}, helps as well to reproduce more detail in darker areas of the picture. Images are clearer, smoother, sharper and more realistic than ever before.
- Thanks to the **digital multimedia receiver**, you can experience the wide-ranging world of digital terrestrial programming and digital radio stations, all with incredible sound quality.

Capture the thrill and beauty of life onscreen with distinctive Plasmas that breathe your lifestyle.
Pioneer Plasma. The essence of PURE perfection.



PURE DRIVE 2^{HD}

PIONEER PLASMA LINE-UP

61-inch Plasma Panel



PDP-615EX
Plasma Panel

50-inch & 43-inch Plasma TVs



PDP-506PE
Plasma Panel



PDP-436PE
Plasma Panel



PDP-R06XE
Digital Multimedia Receiver



PDP-R06FE
Multimedia Receiver




Plasma TV Packages

Plasma Panel

	Multimedia Receiver	50-inch	43-inch
	PDP-R06XE	PDP-506XDE	PDP-436XDE
	PDP-R06FE	PDP-506FDE	PDP-436FDE

PIONEER PLASMA TECHNOLOGIES

TUNE INTO DIGITAL TERRESTRIAL BROADCASTING SERVICES (PDP-506XDE, PDP-436XDE)

digital  The PDP-506XDE and PDP-436XDE Plasma TVs come equipped with a Digital Multimedia Receiver — including a built-in digital and analogue tuner. You'll have full access to all available free-to-view **digital terrestrial TV** and **digital radio stations**. By using a Conditional Access Module, you can even access pay-to-view channels. Now you can enjoy a wide range of entertainment, music and other programmes, with the highest possible image and sound quality — even Dolby Digital broadcasting (where available) is supported. Take advantage of advanced and extremely versatile features, like the new Digital Tuner Out mode e.g., to record a digital broadcast while watching an analogue programme.

Note: The compatibility of this product with digital terrestrial services has been fixed — details described in the product specifications — at the time of its introduction. Reception may depend on the type and condition of the existing aerial. Aerial upgrade may be required.

SHOWCASE YOUR HOME SHOT IMAGES (PDP-506XDE, PDP-436XDE)

HOME GALLERY

With the **memory card slot** on the multimedia receiver, your plasma panel is the perfect place to display artistic talents: your own digital photography or a fine art selection from Pioneer's Home Gallery software.

Hook up your camcorder and watch your home movies come to life.

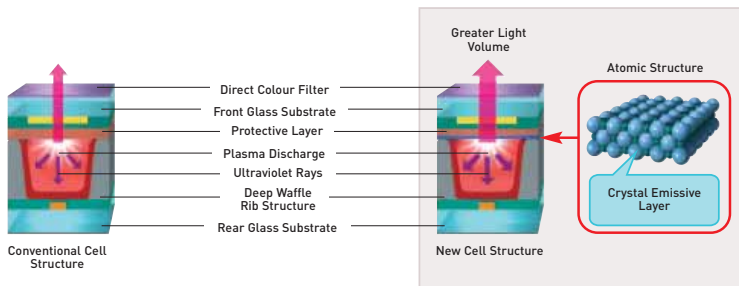


INNOVATIVE PUREBLACK PANEL TECHNOLOGY: A TREMENDOUS ADVANCEMENT IN PICTURE QUALITY

SEE DARKER PICTURE AREAS IN A NEW LIGHT (PDP-506XDE, PDP-436XDE, PDP-506FDE, PDP-436FDE)

Pioneer Plasma TVs display images with **increased depth** and **dimension** — especially in darker picture areas. **Sharpness** and **contrast** in shadowy and night scenes is enhanced, and a **wider range of black tones** can be reproduced, up to the purest black. This is made possible by Pioneer's unique **PUREBLACK Crystal Layer**: an additional layer added to the inside of the protective glass screen. Added advantages: it boosts overall brightness and contributes to energy efficiency.

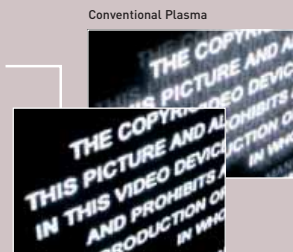
NEW CELL STRUCTURE



PUREBLACK
Crystal Layer

CREATE A BOLD CONTRAST OF COLOURS (PDP-506XDE, PDP-436XDE, PDP-506FDE, PDP-436FDE)

Enjoy **minimum reflection** and **maximum colour** with Pioneer's Direct Colour Filter, a film-type filter which is attached directly onto the front of the plasma panel. It significantly reduces reflection from outside light as well as reflection from the panel itself. This helps to improve contrast in bright environments. The filter is very thin and light, which minimises the panel's super-slim profile (only 92 mm).



Pioneer Plasma TV with Direct Colour Filter



	PDP-506XDE	PDP-436XDE	PDP-506FDE	PDP-436FDE	PDP-615EX
HD ready certified	✓	✓	✓	✓	—
Digital tuner for digital terrestrial TV with digital EPG	✓	✓	✓	✓	—
Analogue tuner with Teletext	✓	✓	✓	✓	—
NexView EPG (Electronic Programme Guide)	✓	✓	—	—	—
Home Gallery (JPEG Picture Viewer)	✓	✓	—	—	—
Picture-in-picture/Dual Screen Mode	✓	✓	—	—	✓
HDMI input	2	2	1	1	1
PC input	✓	✓	—	—	✓

GET THE 100 % DIGITAL-TO-DIGITAL CONNECTION

(PDP-506XDE, PDP-436XDE, PDP-506FDE, PDP-436FDE, PDP-615EX)

HDMI™ With the HDMI input, you have the certainty that your plasma panel is displaying the highest quality of video and audio, straight from the source. Since it receives a **fully digital, uncompressed signal** from, for example, a DVD player or DVD recorder with HDMI output, there isn't a trace of quality loss. Jumbles of cables and wiring are obsolete as well since HDMI carries all the audio/video data on **one single cable**.

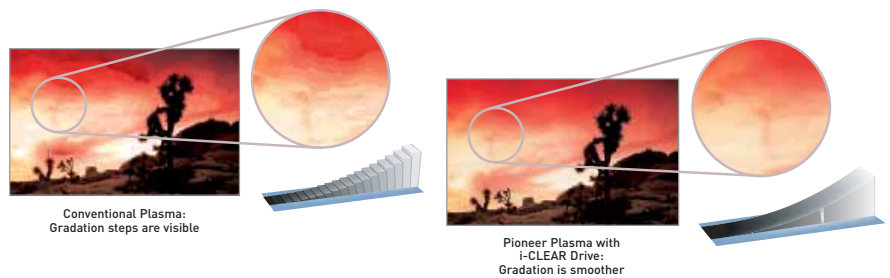
PURE DRIVE 2^{HD} TECHNOLOGY FOR SUPERIOR IMAGE PROCESSING

ENJOY EVERY COLOUR — FROM THE BLACKEST BLACK TO SHINING WHITE
(PDP-506XDE, PDP-436XDE, PDP-506FDE, PDP-436FDE)



Pioneer's quest for image perfection has resulted in the i-CLEAR Drive technology. Pictures are analysed and then colour gradation and brightness levels are automatically optimised on-screen. New multi-bit processing increases the range of gradation levels, so even **more colours** can be reproduced. Darker picture areas are especially enhanced — with **more gradation steps** — so there's even **more detail** to discover.

i-CLEAR DRIVE



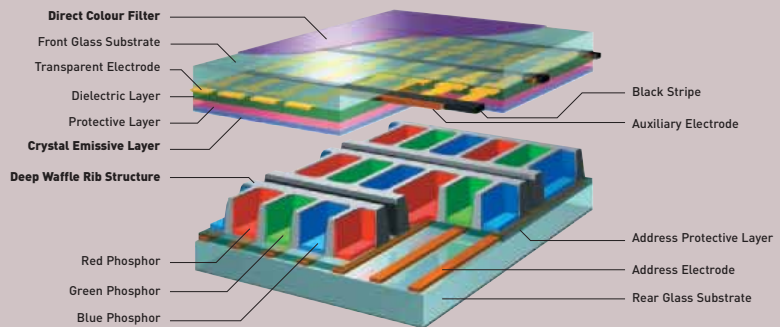
IMAGES GET EVEN BRIGHTER

(PDP-506XDE, PDP-436XDE, PDP-506FDE, PDP-436FDE, PDP-615EX)

Thanks to Pioneer's innovative and unique Deep Waffle Rib Structure, plasma cells are encapsulated on all sides so that emitted light cannot leak into neighbouring cells, dispersing their brightness. **Images** remain at their **most intense** at all times, offering a level of brightness that has never before been possible.



PUREBLACK PANEL WITH PUREBLACK CRYSTAL LAYER



CUSTOMISE YOUR DISPLAY WITH PROFESSIONAL CALIBRATION

(PDP-506XDE, PDP-436XDE, PDP-506FDE, PDP-436FDE, PDP-615EX)

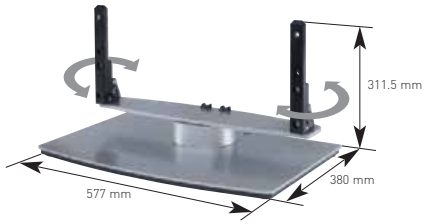


The ISF C³ [Custom Calibration Configuration] feature allows **your plasma panel** to be **optimised for your specific environment**. Via an optional service, an ISF professional can precisely calibrate your plasma panel with customised levels of contrast, tint, colour level and other parameters. Two settings are then created to match your actual viewing conditions: for example, one for bright daytime light conditions and one for evening situations when artificial lights are dimmed.

For more details on features and technology, please visit www.pioneer.co.uk.

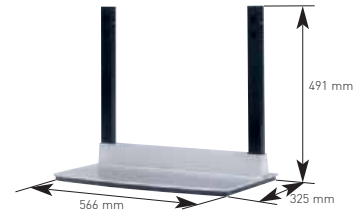
PIONEER PLASMA ACCESSORIES

PDK-TS12 — Swivel Table Top Stand



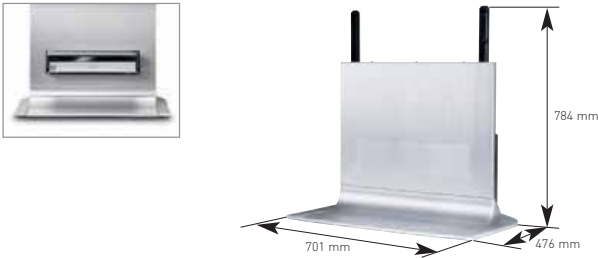
For 43-inch and 50-inch only

PDK-TS10 — Table Top Stand



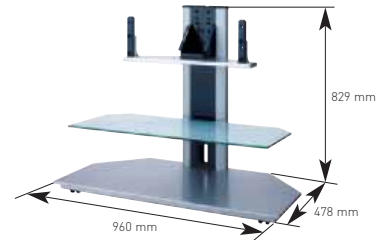
For 43-inch and 50-inch only

PDK-FS06 — Floor Stand



For 43-inch and 50-inch only

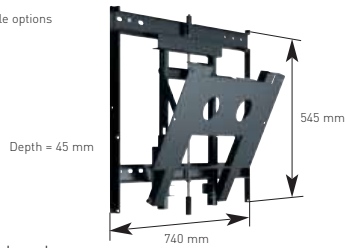
PDK-FS05 — Floating Floor Stand



For 43-inch and 50-inch only

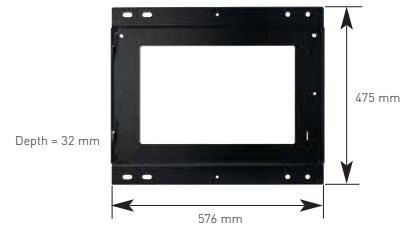
PDK-WT02 — Angled Wall Bracket

With under-mounted speakers, the angle options are limited.



For 43-inch and 50-inch only

PDK-WM02 — Wall Bracket



For 43-inch and 50-inch only

PDA-H03 — Conventional Long System Cable (10 m)



PDA-H05 — Optical Long System Cable (30 m)

See next page for connection example

PDP-S39 — Under-mounted Speakers



Dimensions (W x H x D): 1076 x 83 x 92 mm

For 43-inch only

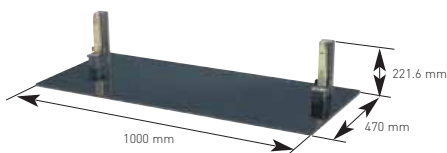
PDP-S37 — Side-mounted Speakers
PDP-S38 — Side-mounted Speakers

Dimensions (W x H x D): PDP-S37 = 76.5 x 632 x 92 mm
PDP-S38 = 76.5 x 717 x 92 mm

PDP-S37 for 43-inch/PDP-S38 for 50-inch

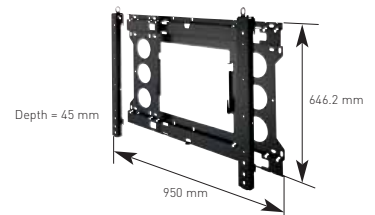


PDK-1014 — Table Top Stand



For 61-inch only

PDK-WM03 — Wall Bracket



For 61-inch only

Plasma TVs Features & Specifications	PDP-506XDE	PDP-436XDE	PDP-506FDE	PDP-436FDE
PICTURE				
Diagonal Screen Size	50-inch/127 cm	43-inch/109 cm	50-inch/127 cm	43-inch/109 cm
HD ready	•	•	•	•
XGA Panel	•	•	•	•
Aspect Ratio	16:9	16:9	16:9	16:9
Number of Pixels	1,280 (Hor) x 768 (Ver)	1,024 (Hor) x 768 (Ver)	1,280 (Hor) x 768 (Ver)	1,024 (Hor) x 768 (Ver)
Brightness	1,100 cd/m ²	1,100 cd/m ²	1,100 cd/m ²	1,100 cd/m ²
Contrast Ratio	4,000:1	3,000:1	4,000:1	3,000:1
Viewing Angle	More than 160°	More than 160°	More than 160°	More than 160°
Video Signals	PAL/SECAM/NTSC3.58/NTSC4.43/PAL60/HD/PC	PAL/SECAM/NTSC3.58/NTSC4.43/PAL60/HD/PC	PAL/SECAM/NTSC3.58/NTSC4.43/PAL60/HD	PAL/SECAM/NTSC3.58/NTSC4.43/PAL60/HD
PC Signals	VGA/SVGA/XGA/Wide XGA	VGA/SVGA/XGA/Wide XGA	—	—
Home Gallery (JPEG PictureViewer)	•	•	•	•
Dual Screen Mode (PaP)	•	•	•	•
Picture-in-Picture Mode (PiP)	•	•	•	•
Still Picture Mode	•	•	•	•
AV Selection	•	•	•	•
ISF C ² Ready	•	•	•	•
PUREBLACK Panel	•	•	•	•
PUREBLACK Crystal Layer	•	•	•	•
Direct Colour Filter	•	•	•	•
Deep Wafler Rib Structure	•	•	•	•
PURE Drive 2 nd	•	•	•	•
Colour Temperature Adjustment	•	•	•	•
Colour Management	•	•	•	•
Digital Colour Transient Improvement (CTI)	•	•	•	•
Digital Noise Reduction	•	•	•	•
MPEG Noise Reduction	•	•	•	•
Analogue Tuner Noise Reduction	•	•	•	•
PAL 3D Y/C Separation	•	•	•	•
Active Dynamic Range Expander [DRE]	•	•	•	•
Natural Enhancer	•	•	•	•
i-CLEAR Drive	•	•	•	•
Dynamic HD Converter	•	•	•	•
Digital Flicker-Free	•	•	•	•
PureCinema	•	•	•	•
SOUND				
Audio Output Power	13 W + 13 W (1 kHz, 10 %, 8 Ω)	13 W + 13 W (1 kHz, 10 %, 8 Ω)	13 W + 13 W (1 kHz, 10 %, 8 Ω)	13 W + 13 W (1 kHz, 10 %, 8 Ω)
Tone Control (Bass, Treble, Balance)	•	•	•	•
Surround (SRS*)	•	•	•	•
Audio Orientation (FOCUS*)	•	•	•	•
Bass Boost (TruBass*)	•	•	•	•
DIGITAL TUNER				
DVB-T compliant	•	•	•	•
Modulation	COFDM (2k/8k)	COFDM (2k/8k)	—	—
Video Decoding	MPEG2 MP@ML	MPEG2 MP@ML	—	—
Preset Channels	999	999	—	—
Teletext (MHEG5)	•	•	•	•
Electronic Programme Guide (EPG)	•	•	•	•
ANALOGUE TUNER				
Auto Channel Preset	•	•	•	•
Reception System	[PAL B/G, I, DK SECAM B/G, DK, L, L']	[PAL B/G, I, DK SECAM B/G, DK, L, L']	[PAL B/G, I, DK SECAM B/G, DK, L, L']	[PAL B/G, I, DK SECAM B/G, DK, L, L']
Preset Channels	99	99	99	99
Teletext (CEEFAX/FLOF/TOPI)	•	•	•	•
Picture and Text (Dual Screen)	•	•	•	•
Electronic Programme Guide (NextView EPG)	•	•	•	•
CONTROL				
On-Screen Display Information (OSD)	{GB/D/F/NL/E/P/ S/FIN/GR/TR/ RUS/NO/DK}	{GB/D/F/NL/E/P/ S/FIN/GR/TR/ RUS/NO/DK}	{GB/D/F/NL/E/P/ S/FIN/GR/TR/ RUS/NO/DK}	{GB/D/F/NL/E/P/ S/FIN/GR/TR/ RUS/NO/DK}
Remote Control	• Preset {TV/VCR/STB/DVD/DVR}	• Preset {TV/VCR/STB/DVD/DVR}	•	•
Other AV Equipment Connectivity (i/o Link.A)	•	•	•	•
Other AV Equipment Operation (SR+)	•	•	•	•
Energy Save Mode	•	•	•	•
Power Management (for PC)	•	•	•	•
CONNECTION TERMINALS				
HDMI	2	2	1	1
Component Video In	1	1	1	1
S-Video In (Front AV)	1	1	1	1
RCA AV In (Front AV)	1	1	1	1
Euro-SCART	3	3	3	3
Digital Optical Audio Out	1	1	—	—
RCA Audio Out	1	1	1	1
PC Input (Front)	1	—	—	—
Headphone Out (Front)	1	1	—	—
Subwoofer Out (Variable)	1	1	—	—
PC Card Slot	1	1	—	—
Common Interface Slot (CA Card)	1	1	—	—
SR Control	2	2	—	—
i/o Link.A Select	1	1	1	1
Antenna Terminal Digital Tuner	2	2	—	—
Antenna Terminal Analogue Tuner	1	1	1	1
GENERAL				
Dimensions (W x H x D)	Panel 1224 x 717 x 92 mm Multimedia Receiver 420 x 90 x 299 mm	Panel 1076 x 632 x 92 mm Multimedia Receiver 420 x 90 x 299 mm	Panel 1224 x 717 x 92 mm Multimedia Receiver 420 x 90 x 299 mm	Panel 1076 x 632 x 92 mm Multimedia Receiver 420 x 90 x 299 mm
Weight	Panel 31.8 kg Multimedia Receiver 4.3 kg	Panel 25.8 kg Multimedia Receiver 4.3 kg	Panel 31.8 kg Multimedia Receiver 3.5 kg	Panel 25.8 kg Multimedia Receiver 3.5 kg
Power Consumption	Panel (in use/standby) 344 W / 0.4 W Multimedia Receiver (in use/standby) 25 W / 0.7 W	Panel (in use/standby) 292 W / 0.4 W Multimedia Receiver (in use/standby) 25 W / 0.7 W (antenna off)	Panel (in use/standby) 344 W / 0.4 W Multimedia Receiver (in use/standby) 16 W / 0.4 W	Panel (in use/standby) 292 W / 0.4 W Multimedia Receiver (in use/standby) 16 W / 0.4 W
Power Requirements	AC 220 – 240 V, 50/60 Hz	AC 220 – 240 V, 50/60 Hz	AC 220 – 240 V, 50/60 Hz	AC 220 – 240 V, 50/60 Hz

* SRS WOW, SRS, SRS FOCUS, SRS TruBass, SRS and (i) symbol are trademarks of SRS Labs, Inc.

Note: Pioneer plasma display panels are manufactured using a high level of ultra-precision technology. Nevertheless, permanently lit, inactive or overactive pixels may occur. This is a consequence of plasma technology. Plasma display systems, while in use, may generate functional noise.

Multimedia Receivers – Back Panels



PDP-506/436XDE

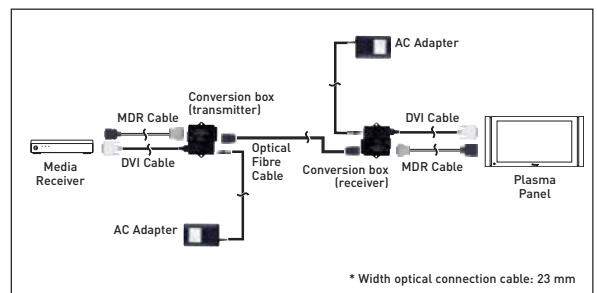


PDP-506/436FDE

Plasma Panel Features & Specifications	PDP-615EX
PICTURE	
Diagonal Screen Size	61-inch/155 cm
Aspect Ratio	16:9
Number of Pixels	1365 (Hor) x 768 (Ver)
Digital Comb Filter	NTSC: 3D PAL: 3 Line PAL/SECAM/NTSC3.58/NTSC4.43/PAL60
Video Signals	60 Hz: 480i, 480p, 720p, 1035i, 1080i 50 Hz: 576i, 576p, 1080i
Analogue Component (RCA/BNC)	60 Hz: 480i, 480p, 720p, 1080i 50 Hz: 576i, 576p, 720p, 1080i
Digital Component (HDMI)	VGA/SVGA/XGA/ W-XGA/W-SXGA/ W-UXGA
PC Signals	Picture-in-Picture Mode (PiP) Dual Screen Mode (PaP) Digital Noise Reduction Gamma Colour Management Colour Temperature Adjustment PureCinema Picture Memory AV Selection (Programmed Picture)
CONTROL	
On-Screen Display Information (OSD)	{GB/D/F/ I/E/S/RUS}
Remote Control	•
Power Management (for PC)	• {Off/On}
Off Timer	•
SOUND	
Audio Output Power	9 W + 9 W (6 Ω)
Tone Control (Bass, Treble, Balance)	•
CONNECTION TERMINALS	
Video 1	Composite Video In (BNC)
Video 2	Composite Video In (RCA pin)
Video 3	S-Video In (RCA pin x3)
COMPONENT 1	Y/Pb/Pr In (RCA pin x3)
PC1	RGB In (D-sub15)
PC2/COMPONENT 2	RGB, HD, Y/Pb/Pr In* (BNC x5)
HDMI	HDMI In (RCA pin x2)
Audio1	Audio LR In (RCA pin x2)
Audio2	Audio LR In (RCA pin x2)
Audio3	Audio LR In (RCA pin x2)
Others	Speaker Out L/R (Display Rear) External control (RS232C, D-sub9)
GENERAL	
Dimensions (W x H x D)	1502 x 912 x 126 mm
Weight	68.0 kg
Power Consumption (in use/standby)	540 W / 1.3 W
Power Requirements	AC 220 – 240 V, 50/60 Hz

* RGB, HD, VD In or Y/Pb/Pr In is selectable on main menu.

PDA-H05 Optical Cable Connection Example



* Width optical connection cable: 23 mm

PIONEER WORLD

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For detailed information concerning Pioneer's Environmental policy,
please visit the following site:
<http://www.pioneer-eur.com/environment/>

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The digital switchover logo is a Certification Mark.
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Published by:
PIONEER EUROPE N.V.
Haven 1087, Keetberglaan 1, B-9120 Melsele
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