Pioneer

A/V Components 2008-2009

Indulge All Your Senses with the Ultimate Home Entertainment Experience

Pioneer

DVD PLAYER DV-410V

Seamless Flow of Entertainment — No Missing Link Here

Pioneer proudly presents a range of components that reaches out with significantly enhanced connections. The VSX-1018AH A/V receiver offers the equivalent of the original sound track with Dolby TrueHD and DTS-HD Master Audio — the highest quality audio formats available — to complement the high definition videos provided by Blu-ray discs. The A/V receiver lineup includes 1080p transfer feature via HDMI output, and enhanced USB connection for digital audio transfer from iPod and USB devices. By connection with DV-610AV or DV-410V DVD player and a flat screen TV, HDMI direct digital transfer ensures lossless, high-resolution picture from source to screen. The DVR-660H/DVR-560H DVD recorders even let you enjoy DivX and other audio and video files from your PC, by a simple USB connection. Feel the new world of digital entertainment at your fingertips.

Feature Highlights of the New A/V Receivers

Pioneer presents an advanced lineup of A/V receivers for creating the next generation home theatre. High-definition Blu-ray has brought a new dimension to audio as well as visual potentials. With Pioneer's new A/V receivers, you can enjoy the benefits of the new generation audio formats, such as DTS-HD Master Audio and Dolby TrueHD, or play music from iPod and other portable digital devices with improved connectivity via USB.
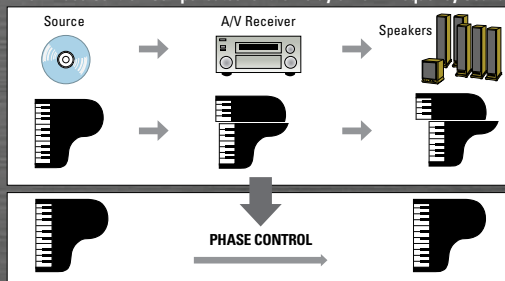
Innovations for Superior Sound

Phase Control — An Innovation for Multi-Channel Sound Compensation (VSX-1018AH, VSX-918V, VSX-818V, VSX-518)

When amplifying multi-channel audio signals, receivers use Low Pass Filter (LPF) for processing low-frequency signals for subwoofer output. This extra process causes "phase lag", or approximately 5 msec delay of low-frequency signals with respect to those of main channels. The delayed bass affects the quality of main-channel sound and makes the sound lack synchronisation.

Pioneer's latest A/V receivers incorporate original Phase Control technologies, which apply a new bass management system to effectively compensate for the phase lag between subwoofer channel and the main channels. This significantly improves the multi-channel sound without any extra operation.

The "Phase Control" Compensates for the Delay of Low-Frequency Sound

Source → A/V Receiver → Speakers

PHASE CONTROL

Create an Ideal Acoustic Environment with Ease — with MCACC (Multi-Channel Acoustic Calibration System) (VSX-1018AH, VSX-918V, VSX-818V)

MCACC allows you to duplicate the acoustic environment of the mixing studio, where recordings and soundtracks are mixed and mastered. With the Pioneer A/V receivers, the system — complete with a microphone — compensates for differences in speaker size, speaker level, and speaker distance, and equalises response with 9-Band (VSX-1018AH) or 5-Band (VSX-918V, VSX-818V) EQ, all automatically.

MCACC Multi-channel Acoustic Calibration System

2. Auto MCACC
Now Analyzing
Surround Analyzing
Speaker System [OK]
Speaker Distance[OK]
Channel Level [OK]
Reverb [OK]
Aco Cal EQ Pro. [ ]
↰:Cancel

Acoustic Calibration by MCACC

Before Calibration
Speaker distance, sound pressure level, and frequency response are all uneven.

After Calibration
Speaker distance, sound pressure level, and frequency response are all equalised.

The sound field is automatically measured using the supplied mic.

SET-UP MIC → Calibration → SET-UP MIC

Speaker sizes and number of speakers are automatically detected.

Moreover, the VSX-1018AH has a double expanded range for acoustic measurements from 0 to 160 msec including the direct sound area. You can make automatic or manual selection of the equalisation point for more precise acoustic adjustments suited to your room environment.

MCACC advanced

USB Connection for iPod and USB Devices (VSX-1018AH, VSX-918V, VSX-818V)

You can easily enjoy music from iPod and other USB devices by plugging the cable into the front USB terminal. The lossless digital transfer provides high-quality sound for your music. Your iPod or USB device can be operated with the remote control and OSD display.
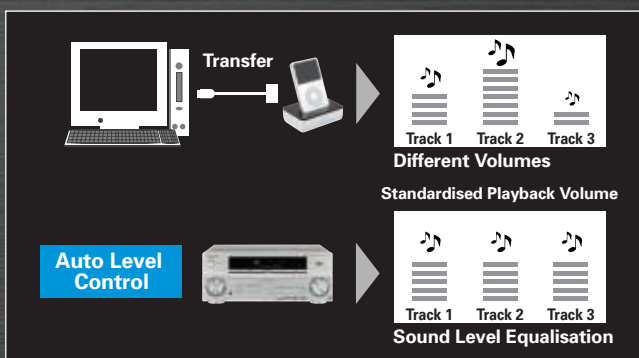
Made for iPod

* iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.
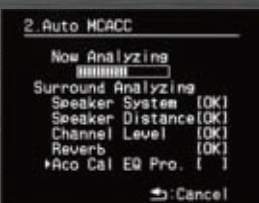
Auto Level Control Volume Management System (VSX-1018AH, VSX-918V, VSX-818V, VSX-518)

The new feature equalises volume level differences between tracks when playing from iPod or other portable audio players. The playback volume is maintained at a consistent level, so there is no need to make adjustments for each song.

Auto Level Control

Transfer

Track 1　Track 2　Track 3
Different Volumes

Standardised Playback Volume

Auto Level Control

Track 1　Track 2　Track 3
Sound Level Equalisation

Advanced Sound Retriever (Restores the quality of compressed audio) (VSX-1018AH, VSX-918V, VSX-818V, VSX-518)

The units come with the Advanced Sound Retriever, which significantly improves the sound quality of compressed audio — such as WMA, MPEG-4 AAC, and MP3 — to the level of CD sound. This Pioneer-exclusive technology applies a special algorithm to restore the signals in barely audible ranges, which are eliminated during the compression process.

ADVANCED SOUND RETRIEVER

Advanced Sound Retriever Restoration Image

Restoration of lost music cadence

CD sound | Compressed sound | Restored sound — **Sound Retriever ON**
Sound pressure / Time

Restoration of lost music cadence

CD sound | Compressed sound | Restored sound — **Sound Retriever ON**
Sound density / Low Middle High Frequency

VSX-1018AH-S

A THX Select2 Plus certified 7.1-channel A/V receiver featuring DTS-HD/Dolby TrueHD new generation audio formats, 180 W x 7ch power, Phase Control, Advanced Sound Retriever, Advanced MCACC, HDMI repeater, USB Memory Audio Ready, and iPod® Digital Playback (Made for iPod)

New Generation Audio Formats
▸ DTS-HD/Dolby TrueHD decoders

Pioneer-Exclusive Innovations
▸ Phase Control (Bass management system ensures precision low frequency output)
▸ Advanced MCACC setup with 9-band EQ
▸ Advanced Sound Retriever (for enhanced PC and portable audio)
▸ Standing Wave Control
▸ Front Stage Surround Advance
▸ Auto Level Control
• Advanced Direct Energy Power Amplifier

Features for Superior Sound Quality
▸ Maximum power (6 ohms): 180 W x 7ch
• Digital Core Engine with Freescale 400MIPS Processing DSP
• 192 kHz/24-bit DAC

Surround Sound Technologies
▸ THX Select2 Plus certified
• DTS-ES/DTS 96/24/Dolby Digital EX/Dolby Digital Plus decoders
• WMA9 Pro decoder
• Audio delay for adjusting Lip Sync (0-200 ms)
• Dialogue Enhancement
• Stream Direct (for pure and unprocessed digital sound)

Enhanced Convenience
▸ HDMI repeater (2 in/1 out), x.v.Colour, Deep Colour compatible
▸ iPod player digital direct via USB
▸ USB memory audio ready (USB Host function)
▸ Digital video converter (up to HDMI)
▸ KURO LINK
• SR+ terminal (Control your A/V receiver via Pioneer plasma TV remote sensor)

* x.v.Colour is a trademark of Sony Corporation.

HDMI with Deep Colour (VSX-1018AH)

The VSX-1018AH supports Deep Colour with ultra-high colour depth of up to 36 bit, allowing smooth colour transitions, finest colour gradation steps, and a dramatically improved contrast ratio.

Digital Video Converter with HDMI Output (VSX-1018AH)

Input　　　　　　　　Output
HDMI
Component
S-Video
Composite Video

Rear Panel
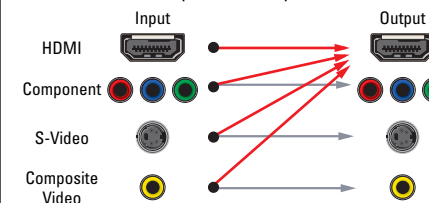
New Generation Audio Formats

DTS-HD Master Audio (VSX-1018AH)

The VSX-1018AH features DTS-HD Master Audio decoder for playing the highest quality audio format. With DTS-HD Master Audio, you can enjoy sound that is bit-for-bit identical to the studio master. DTS-HD Master Audio delivers audio at extremely high variable bit rates of 24.5 Mbps, which far exceeds standard DVDs. DTS-HD Master Audio offers movies and music in the pure, original state as intended by the artists.

dts-HD Master Audio

* DTS is a registered trademark & the DTS logo and Symbol are trademarks of DTS, Inc.

Dolby TrueHD (VSX-1018AH)

The VSX-1018AH comes with Dolby TrueHD decoders. This new audio format delivers sound that is on par with the original soundtrack, letting you experience the world of true high-definition entertainment from Blu-ray Discs. With lossless encoding in up to 18 Mbps bit rate, Dolby TrueHD creates a synergy with high-definition video to offer you a home theatre experience like never before.

DOLBY TRUEHD

* Dolby, Dolby TrueHD, Pro Logic II, Dolby Digital EX, and the double-D symbol are registered trademarks of Dolby Laboratories.

Home Theatre Sound

THX Select2 Plus Certified (VSX-1018AH)

THX is a Lucasfilm Ltd. programme created to achieve maximum accuracy in the reproduction of movie sound. The VSX-1018AH has adhered to rigorous guidelines for sound purity, power output and processing capabilities required for the certification. The latest THX Select2 Plus certification offers a wide array of listening modes for enhanced entertainment, delivering sounds just as they were mixed in the studio, regardless of volume level.

THX SELECT2 PLUS SURROUND EX

* The THX logo is a trademark of THX Ltd., which may be registered in some jurisdictions.

VSX-918V-S

A 5-channel A/V receiver featuring 160 W x 5ch power, Phase Control, Advanced Sound Retriever, Auto MCACC with 5-band EQ, Front Stage Surround Advance, HDMI repeater, and iPod® Digital Playback (Made for iPod)

VSX-818V-K(-S)

A 5-channel A/V receiver featuring 160 W x 5ch power, Phase Control, Advanced Sound Retriever, Auto MCACC with 5-band EQ, Front Stage Surround Advance, HDMI switching, and iPod® Digital Playback (Made for iPod)

Pioneer-Exclusive Innovations
▶ Phase Control (Bass management system ensures precision low frequency output)
▶ Auto MCACC setup with 5-band EQ
▶ Advanced Sound Retriever (for enhanced PC and portable audio)
▶ Front Stage Surround Advance
▶ Auto Level Control
• New Pioneer Hybrid Amplifier Design II (for audiophile sound reproduction)

Features for Superior Sound Quality
▶ Maximum power (8 ohms): 160 W x 5ch
• Advanced Digital Core Engine with Freescale 180MIPS 48-bit Processing DSP
• 192 kHz/24-bit DAC

Surround Sound Technologies
• DTS/DTS 96/24/Dolby Digital/Dolby Pro Logic II decoders
• WMA9 Pro decoder
• Audio delay for adjusting Lip Sync (0-160 ms) (VSX-918V-S)
• Dialogue Enhancement
• Stream Direct (for pure and unprocessed digital sound)

Enhanced Convenience
▶ HDMI repeater (1080p, x.v.Colour compatible) (VSX-918V-S)
▶ HDMI switching (1080p compatible) (VSX-818V-K(-S))
▶ iPod player digital direct via USB
▶ USB memory audio ready (USB Host function)
• Portable audio player ready (analogue connection via front audio jack)
• SR+ terminal (Control your A/V receiver via Pioneer plasma TV remote Sensor) (VSX-918V-S)

VSX-918V-S

VSX-818V-K
Silver Finish Also Available (VSX-818V-S)

Rear Panel of VSX-918V (Same for VSX-818V, except it does not have SR+ terminals)

Portable Audio Player Ready (VSX-918V, VSX-818V)

A USB and a 3.5 mm mini audio jack are located on the front panel, for easy connection with a portable audio player. The music you usually listen to on the headphones can be shared with your friends and family in the living room via the A/V system.

Pioneer Hybrid Amplifier Design II — for Audiophile Sound Reproduction (VSX-918V, VSX-818V, VSX-518)

Pioneer Hybrid Amplifier Design II uses a newly selected module, for improved sound quality and total harmonic distortion (THD). The output transistors feature lower base capacitors than the previous model, realising wider range of current drive stage. The module has also decreased in size, and the smaller feedback loop minimises influences from the noise. Parts have been carefully selected, such as the power amplifier capacitors chosen by listening tests, and the pre-amp IC which minimises the signal path in Direct mode.

HDMI Repeater (VSX-918V)

The VSX-918V comes with the HDMI repeater feature, allowing full-digital transfer of high-quality audio as well as up to 1080p video signals. It also supports x.v.Colour, which can display rich textures and three-dimensional images for enhanced visual entertainment.

HDMI Switching (VSX-818V)

The HDMI switching feature on the VSX-818V provides full-digital transfer of up to 1080p high-definition video signals.

* Analogue and/or digital connections necessary to hear audio from an HDMI component.

VSX-518-S(-K)

A 5-channel A/V receiver featuring 160 W x 5ch power, Phase Control, Advanced Sound Retriever, and Front Stage Surround Advance

Pioneer-Exclusive Innovations
▶ Phase Control (Bass management system ensures precision low frequency output)
▶ Advanced Sound Retriever (for enhanced PC and portable audio)
▶ Front Stage Surround Advance
▶ Auto Level Control
• New Pioneer Hybrid Amplifier Design II (for audiophile sound reproduction)

Features for Superior Sound Quality
▶ Maximum power (8 ohms): 160 W x 5ch
• Digital Core Engine with Freescale 180MIPS 48-bit Processing DSP
• 192 kHz/24-bit DAC

Surround Sound Technologies
• DTS/DTS 96/24/Dolby Digital/Dolby Pro Logic II decoders
• WMA9 Pro decoder
• Dialogue Enhancement
• Auto Surround
• Stream Direct (for pure and unprocessed digital sound)

Enhanced Convenience
• Quick setup
• Portable audio player ready (analogue connection via front audio jack)
• SR remote control

Black Finish Also Available (VSX-518-K)

Rear Panel (VSX-518-S)

HTP-4900

Audio Receiver + 5.1-Channel Speaker System
A package designed to complement your TV, with slim floor standing speakers and a powerful subwoofer for full surround sound

SX-217-S Audio Receiver
▶ Maximum power (8 ohms): 130 W x 6ch
▶ Sound Retriever (Restores the quality of compressed audio)
▶ WMA9 Pro decoder
• DTS 96/24/Dolby Digital/Dolby Pro Logic II decoders
▶ Portable audio player ready (analogue connection via front audio jack)

S-FCR4700 Multi-Channel Surround Sound Speaker System
• Dimensions (W x H x D)
  - Front/Surround: 260 x 1096.5 x 260 mm, Centre: 270 x 96 x 90 mm
• Weight
  - Front/Surround: 4.2 kg, Centre: 0.78 kg
• Impedance: 8 ohms

S-W3700 Subwoofer
• Dimensions (W x H x D): 190 x 360 x 320 mm
• Weight: 4.0 kg

HTP-2900

Audio Receiver + 5.1-Channel Speaker System
A package including compact speakers and a powerful subwoofer for dynamic multi-channel entertainment

SX-217-S Audio Receiver
▶ Maximum power (8 ohms): 130 W x 6ch
▶ Sound Retriever (Restores the quality of compressed audio)
▶ WMA9 Pro decoder
• DTS 96/24/Dolby Digital/Dolby Pro Logic II decoders
▶ Portable audio player ready (analogue connection via front audio jack)

S-FCRW2900-S Multi-Channel Surround Sound Speaker System
• Dimensions (W x H x D)
  - Front/Surround: 100 x 136 x 80 mm, Centre: 270 x 96 x 90 mm, Subwoofer: 190 x 360 x 320 mm
• Weight
  - Front/Surround: 0.55 kg, Centre: 0.78 kg, Subwoofer: 4.0 kg
• Impedance: 8 ohms

A 3.5 mm audio jack input on the front panel permits analogue connection with portable audio players at ease.

FEATURE COMPARISON & SPECIFICATIONS: A/V RECEIVERS

	VSX-1018AH-S	VSX-918V-S	VSX-818V-K(-S)	VSX-518-S(-K)	SX-217-S (HTP-4900, HTP-2900)
Power Output					
Continuous Power Output					
Stereo (DIN, 1 kHz, 1.0 % THD)	150 W + 150 W (6 ohms)	100 W + 100 W (8 ohms)	100 W + 100 W (8 ohms)	100 W + 100 W (8 ohms)	100 W + 100 W (8 ohms)
Rated Power Output					
Multi-ch (20 Hz - 20 kHz, 0.09 % THD for VSX-1018AH-S)†					
Multi-ch (20 Hz - 20 kHz, 0.06 % THD)					
Front	120 W + 120 W (6 ohms)†	95 W/ch (8 ohms)	95 W/ch (8 ohms)	95 W/ch (8 ohms)	100 W/ch (8 ohms)
Centre	120 W (6 ohms)†	95 W (8 ohms)	95 W (8 ohms)	95 W (8 ohms)	100 W (8 ohms)
Surround	120 W + 120 W (6 ohms)†	95 W/ch (8 ohms)	95 W/ch (8 ohms)	95 W/ch (8 ohms)	100 W/ch (8 ohms)
Surround Back	120 W + 120 W (6 ohms)†				
Maximum Power (RMS, 1 kHz, 10 % THD)	180 W x 7ch (6 ohms)	160 W x 5ch (8 ohms)	160 W x 5ch (8 ohms)	160 W x 5ch (8 ohms)	130 W x 6ch (8 ohms) 100 Hz for SW ch*¹
Amplifier Design					
Channels	7	5	5	5	6
Amplification Type	Discrete (A.D. Energy)	Hybrid II	Hybrid II	Hybrid II	Hybrid
Impedance Guarantee	6 ohms	6 ohms (Default Setting 8 ohms)	6 ohms (Default Setting 8 ohms)	6 ohms (Default Setting 8 ohms)	6 ohms (Default Setting 8 ohms)
Construction Design					
Advanced Direct Construction	•				
Trans. Stabilizer	•				
MCACC Features					
Auto MCACC	Advanced (9 Band EQ)	5 Band EQ	5 Band EQ		
DSP Design					
Digital Core Engine	Freescale 400 MIPS Processing DSP	Freescale 180 MIPS Processing DSP	Freescale 180 MIPS Processing DSP	Freescale 180 MIPS Processing DSP	Freescale 180 MIPS Processing DSP
DAC	192 kHz/24-bit	192 kHz/24-bit	192 kHz/24-bit	192 kHz/24-bit	192 kHz/24-bit
DSP Features (License or Format)					
THX	THX Select2 Plus				
DTS-HD Master Audio	•				
Dolby TruHD	•				
Dolby Digital EX	•				
Dolby Digital	•	•	•	•	•
Dolby Pro Logic II/Dolby Pro Logic IIx	• / •	• / –	• / –	• / –	• / –
DTS-ES	•				
DTS 96/24	•	•	•	•	•
DTS	•	•	•	•	•
WMA9 Pro	•	•	•	•	•
Neural THX	•				
DSP Features (Original)					
Phase Control	•	•	•	•	
Advanced Surround Modes	13 Modes + 1*²	11 Modes + 1*³	11 Modes + 1*³	11 Modes + 1*³	9 Modes*⁴
Front Stage Surround Advance	• (Focus, Wide)	• (Focus, Wide)	• (Focus, Wide)	• (Focus, Wide)	
Virtual Surround Back	•	•	•	•	•
Sound Retriever	• (Advanced)	• (Advanced)	• (Advanced)	• (Advanced)	•
Dialogue Enhancement	•	•	•	•	•
Midnight Listening Mode	•	•	•	•	•
Loudness	•	•	•	•	•
Tone Control	•	•	•	•	•
Audio Features					
Sound Delay (Lip-Sync)	•	•			
Stream Direct	•	•	•	•	•
HDMI					
1080p Transferring	•	•	•		
x.v.Colour	•	•	• (Through)		
Deep Colour	•		• (Through)		
Repeater	•	•			
Switching			•		
Video Converter	Up to HDMI (Analogue to HDMI only)				
iPod					
iPod® Digital Audio	•	•	•		
Supported Models	5th.gen./nano and above	5th.gen./nano and above	5th.gen./nano and above		
USB					
Terminal Type	A-Type	A-Type	A-Type		
USB Host Function (for Audio Playback)	•	•	•		
Tuner					
FM/AM Tuner	•	•	•	•	•
Radio Random Preset Select	30	30	30	30	30
FM/AM 3-Speed Accelerated Tuning	•	•	•	•	•
Remote Control					
Type	Preset	Preset	Preset	SR	SR
Terminals (Main Room)					
HDMI Input/Output	2/1 (Repeater)	2/1 (Repeater)	2/1 (Switching)		
USB Input (for Memory Audio)	1	1	1		
Digital Coaxial Input/Output	2/0	1/0	1/0	2/0	2/0
Digital Optical Input/Output	4/1	2/0	2/0	1/0	1/0
Analogue Multi-ch Input	7.1ch	DVD 5.1ch	DVD 5.1ch	DVD 5.1ch	
Preamp Output	7.1ch				
Audio Input/Rec. Output	2/1	3/1	3/1	2/1	2/1
Audio Mini Jack Input		1	1	1	1
AV (Composite) Input/Rec. Output	5/2	4/1	4/1	3/1	
Component Video Input	3	3	3	3	
Monitor Video Output (to TV)/Component/S-Video/Composite	1/1/1	1/0/1	1/0/1	1/0/1	
System Remote (SR+) Input/Output	1/1	1/1			
Miscellaneous					
Dimensions (W x H x D)	420 x 173 x 433 mm	420 x 158 x 352.5 mm	420 x 158 x 352.5 mm	420 x 158 x 352.5 mm	420 x 158 x 348 mm
Weight	13.5 kg	8.1 kg	8.1 kg	7.9 kg	8.4 kg
Power Requirements	110/120-127/220/230-240 V 50/60 Hz	110/120-127/220/230-240 V 50/60 Hz	110/120-127/220/230-240 V 50/60 Hz	110/120-127/220/230-240 V 50/60 Hz	110/120-127/220/240 V 50/60 Hz
Power Consumption	410 W		290 W	290 W	320 W
Power Consumption during Standby	0.6 W (Stby - KURO LINK off) 0.75 W (Stby - KURO LINK on)	0.5 W	0.5 W	0.5 W	0.5 W

*¹ 5ch (1 kHz, 1.0 % THD, 8 ohms), SW (100 Hz, 1.0 % THD, 8 ohms) *² Action, Drama, Sci-Fi, Mono Film, Entertainment Show, Expanded Theater, TV Surround, Advanced Game, Sports, Classical, Rock/Pop, Unplugged, Extended Stereo + Phones Surround *³ Action, Drama, Mono Film, Entertainment Show, Expanded Theater, TV Surround, Advanced Game, Sports, Rock/Pop, Unplugged, Extended Stereo + Phones Surround *⁴ Advanced Movie, Advanced Music, Expanded Theater, 5ch Stereo, TV Surround, Advanced Game, Sports, Phones Surround, Virtual Surround

Optional iPod Dock for Pioneer A/V Receivers

IDK-01

Universal iPod Dock for A/V Receivers

• Enjoy iPod music through your Pioneer A/V receiver and home theater speakers
• View iPod video and photos on your TV
• TV on-screen menu display of your music, photo, and video library
• Automatically charges iPod

Made for iPod

Remote control and AC adaptor included.

Feature Highlights of the New DVD Players

Since introducing the world's first Laser Disc player in 1980, Pioneer has remained at the forefront of optical disc innovations. As the leader in home entertainment products, we have taken advantage of our extensive engineering expertise to offer DVD players featuring the best of optical disc technologies. This year, our lineup is further enhanced with high resolution HDMI output to a flat screen TV, and close linkage with the latest PC file formats — deserving to be called the ultimate multimedia player.

HDMI Interface (DV-610AV, DV-410V)

These Pioneer DVD players feature HDMI (High Definition Multimedia Interface), an industry-supported, uncompressed, all-digital audio/video interface. For example, combine the DVD player with our VSX-1018AH A/V receiver and a flat screen TV, and HDMI's all-digital signal processing gives you superior pictures and sound — with no loss. It does this by allowing transmission of both audio and video signals with no D/A or A/D conversion, through a single-cable connection. The units are even capable of 1080p upscaling.

1080   1080

DV-610AV/DV-410V   VSX-1018AH

* The above DVD players allow output of Linear PCM (2-channel) and compressed audio (Dolby Digital, DTS, and MPEG). The DV-610AV also allows 5.1-channel Linear PCM and 2-channel/5.1-channel DSD output. 24 Hz is not supported with HDMI 1080p output.

Versatile Parameters for Video Control

All Pioneer DVD players feature the Video Adjust function which allows versatile image control for customised picture quality. You can adjust Sharpness, Brightness, Contrast, Gamma, Hue, and Chroma Level. The DV-610AV also has the Block Noise Reduction and Ringing Noise Reduction functions.
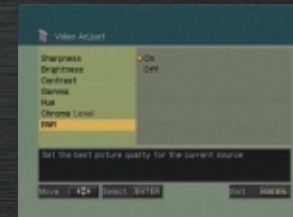
DivX® Video Playback

The DVD players allow playback of DivX® videos from CD-R/-RW and DVD-R/-RW discs, and from USB memory with DV-610AV, DV-510K, DV-410V, and DV-310. DivX® is a popular media technology including digital video, which ensures a high compression rate and fast transfer speed without appreciably compromising the picture quality. Create a DivX® movie on your PC, burn it to a disc, and play it on the Pioneer DVD players.

What's more, the DV-610AV is an official DivX® Ultra Certified product. This means the unit lets you enjoy DivX® media files with interactive features like DVD Video — including menus, selectable subtitle languages/audio tracks, and so on.

* DivX, DivX Ultra Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

WMV Playback (DV-610AV, DV-410V)

These DVD players are compatible with WMV 9 (Windows Media® Video), the latest high-resolution high-compression video format used by Windows Media® Encoder 9 Series. Enjoy your own compilation of videos downloaded from websites.

* Windows Media, and the Windows logo are trademarks, or registered trademarks, of Microsoft Corporation in the United States and/or other countries.

WMA/MPEG-4 AAC/MP3 Playback

All Pioneer DVD players can playback WMA and MP3 compressed audio files, as well as the latest MPEG-4 AAC format.

USB Terminal (DV-610AV, DV-510K, DV-410V, DV-310)

The USB terminal on these units allow connection with USB mass storage class devices, for easy playback of WMA/MPEG-4 AAC/MP3 music files, JPEG photo files, and DivX video files. The DV-610AV and DV-410V can also play WMV files.

USB

DV-610AV-S

A high-performance DVD Audio/Video & SACD player featuring HDMI 1080p upscaling, USB, WMV playback, and DivX® Ultra playback

HDMI 1080p UPSCALING

192 kHz/24-bit D/A Converter (DV-610AV)

The DV-610AV features 192 kHz/24-bit DACs, to reproduce 192 kHz/24-bit 2-channel stereo, or 96 kHz/24-bit 5.1-channel surround sound. By connecting to a 5.1-channel A/V receiver, you can enjoy multi-channel playback of high-quality SACD or DVD-Audio sound.

CD -> USB Recording (DV-610AV)

The DV-610AV lets you directly record songs from CDs on to USB devices. The data is stored in MP3 format, letting you can choose the bit rate from 128/192/320 kbps. You can copy the whole album, or select tracks.

DV-510K-S

DVD VIDEO · VIDEO CD · COMPACT DISC · Video CD · DivX · PhotoViewer · WMA/MPEG-4 AAC/MP3 · PAL/NTSC · dts Digital Out · DOLBY DIGITAL · USB · Karaoke · RW COMPATIBLE
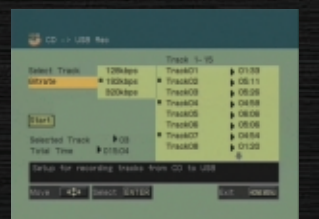
An advanced DVD player featuring karaoke echo and digital key control, USB, JPEG Slideshow with Music, and DivX® playback

DV-410V-S(-K)

DVD VIDEO · VIDEO CD · COMPACT DISC · Video CD · DivX · PhotoViewer · WMV/WMA/MPEG-4 AAC/MP3 · PAL/NTSC · dts 2.0+Digital Out · DOLBY DIGITAL · USB · RW COMPATIBLE

A multi-format DVD player featuring HDMI 1080p upscaling, USB, and DivX®/WMV playback
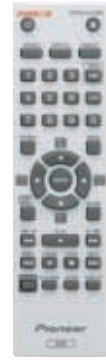
HDMI HIGH DEFINITION MULTIMEDIA INTERFACE — **1080p UPSCALING**

DV-310-S

DVD VIDEO · VIDEO CD · COMPACT DISC · Video CD · DivX · PhotoViewer · WMA/MPEG-4 AAC/MP3 · PAL/NTSC · dts Digital Out · DOLBY DIGITAL · USB · RW COMPATIBLE

A slim multi-format DVD player featuring Dual PureCinema Progressive Scan, USB, and DivX® playback

DV-210K-K

DVD VIDEO · VIDEO CD · COMPACT DISC · Video CD · DivX · PhotoViewer · WMA/MPEG-4 AAC/MP3 · PAL/NTSC · dts Digital Out · DOLBY DIGITAL · Karaoke · RW COMPATIBLE

A slim multi-format DVD player featuring karaoke echo and digital key control, JPEG Slideshow with Music, and DivX® playback

Not available in some countries

	HDMI	USB	DivX	WMV	WMA/MPEG-4 AAC/MP3	Karaoke
DV-610AV	•	•	• (Ultra)	•	•	–
DV-510K	–	•	•	–	•	•
DV-410V	•	•	•	•	•	–
DV-310	–	•	•	–	•	–
DV-210K	–	–	•	–	•	•

* Not compatible with DRM (Digital Rights Management) contents. Not compatible with high-definition video contents.

FEATURE COMPARISON & SPECIFICATIONS: DVD PLAYERS

	DV-610AV-S	DV-510K-S	DV-410V-S(-K)	DV-310-S	DV-210K-K
Technical Features					
Playback Discs	DVD/SVCD/VCD/CD/DVD-Audio/SACD/CD-R/-RW/DVD-R/-R DL/-RW (Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW (Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW (Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW (Video Mode, VR Mode W/CPRM) /DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW (Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)
Twin-Wave Laser Pickup	•	•	•	•	•
Dual System (PAL/NTSC)	•	•	•	•	•
Compressed Video and Music Playback					
WMV	•		•		
DivX	• (Ultra)	•	•	•	•
JPEG PhotoViewer	•	•	•	•	•
HD JPEG	•	•	•	•	•
MPEG-4 AAC	•	•	•	•	•
MP3	•	•	•	•	•
WMA	•	•	•	•	•
PHOTO + MUSIC MIX (JPEG Slideshow with Music)	•	•	•	•	•
Audio Features					
DVD-Audio Compatibility	•				
SACD Multi Compatibility	•				
192 kHz/24-bit D/A Converter (6ch)	•				
96 kHz/24-bit D/A Converter		•	•	•	•
DTS 96/24 Decoder	•				
DTS 5.1-Channel Decoder	•				
DTS 2-Channel Downmix Output	•		•		
Dolby Digital 5.1-Channel Decoder	•				
Virtual Surround	•	•	•	•	•
Digital Output (Dolby Digital, DTS (DVD), MPEG Audio, Linear PCM)	•	•	•	•	•
Sound EQ		•	•	•	•
Dialogue	•	•	•	•	•
Dynamic Range Control (DVD)	•	•	•	•	•
Digital Out On/Off	•	•	•	•	•
Karaoke Mic Echo		•			•
Karaoke Digital Key Control		•			•
Video Features					
Dual PureCinema Progressive Scan (PAL/NTSC)	•	•	•	•	•
108 MHz/12-bit D/A Converter	•	•	•	•	•
I/P Simultaneous Output	•		•		
BNR Block NR & Ringing NR	•				
Video Adjust	•	•	•	•	•
Zoom Function	•	•	•	•	
Conveniences					
Last Memory (DVD)	DVD: 5, VCD: 1	DVD: 5, VCD: 1	DVD: 5, VCD: 1	DVD: 5, VCD: 1	DVD: 5, VCD: 1
Resume Function (Stop Key)	•*1	•*2	•*2	•*2	•*2
10-Key Direct Search and Play (Chapter/Track)	•	•	•	•	•
OSD Languages	English/French/Spanish/Chinese	English/French/Spanish/Chinese/Hindi	English/French/Spanish/Chinese	English/French/Spanish/Chinese/Hindi	English/French/Spanish/Chinese/Hindi
Screensaver	•	•	•	•	•
Auto Power Off	•	•	•	•	•
CD->USB Recording	•				
Terminals					
USB	1*3	1*4	1*3	1*4	
Mic Jack		2			2
HDMI Terminal	1 (to 1080p/60 Hz DSD)		1 (to 1080p/60 Hz)		
Component Video Output	1	1	1	1	1
S-Video Output	1	1	1	1	
Video Output	1	1	1	1	1
5.1-Channel Audio Output	1				
Audio Output		1	1	1	1
Coaxial Digital Output	1	1	1	1	
Optical Digital Output	1	1	1	1	
Specifications					
Power Requirements	110-240 V 50/60 Hz	110-240 V 50/60 Hz	110-240 V 50/60 Hz	110-240 V 50/60 Hz	110-240 V 50/60 Hz
Power Consumption	12 W	11 W	11 W	11 W	7 W
Power Consumption during Standby Mode	0.8 W	0.8 W	0.8W	0.7 W	0.8 W
Dimensions (W x H x D)	420 x 49.5 x 215.5 mm	420 x 49.5 x 222 mm	420 x 49.5 x 215.5 mm	420 x 49.5 x 215.5 mm	420 x 49.5 x 221 mm
Weight	1.7 kg	1.7 kg	1.7 kg	1.7 kg	1.7 kg

*1 Not available with DVD-A/SACD/MPEG-4 AAC/WMA/MP3 playback.
*2 Not available with MPEG-4 AAC/WMA/MP3 playback.
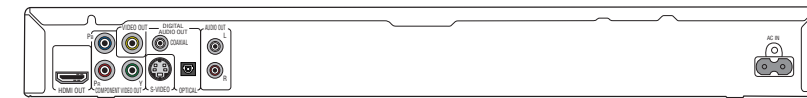*3 Only supports USB Mass Storage Class. Compatible with DivX/WMV/MPEG-4 AAC/WMA/MP3/JPEG.
*4 Only supports USB Mass Storage Class. Compatible with DivX/MPEG-4/AAC/WMA/MP3/JPEG.

Note: Not compatible with DRM (Digital Rights Management) contents. Not compatible with high-definition video contents.
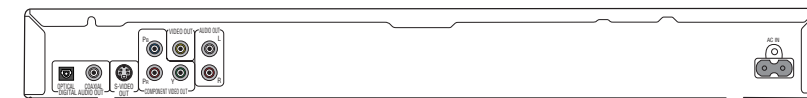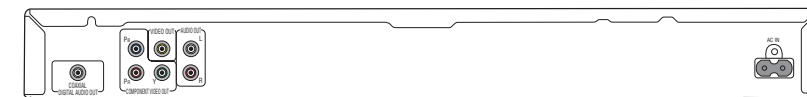
Rear Panels
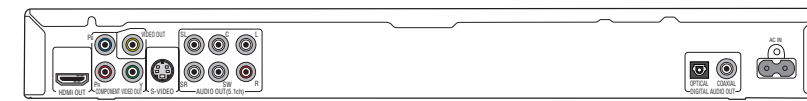
DV-610AV-S

DV-410V-S(-K)

DV-510K-S/DV-310-S

DV-210K-K

Pioneer High Performance DVD Recorders with Built-in HDD

Since introducing the world's first DVD recorder in 1999, Pioneer has been leading the digital revolution in home entertainment. Now, the highest resolution DVD recorder and HDD are combined into one — becoming a universal archive for audio as well as visual entertainment. These state-of-the-art systems will open a new world to your home entertainment.

DVD Multi Disc Recording and Playback

In addition to DVD-RAM* and DVD+R/RW, Pioneer DVD recorders are compatible with Dual Layer DVD-R and Double Layer DVD+R, letting you record and playback a wide selection of discs. No need to worry whether your discs are usable on the DVD recorder.

MULTI DISC	DVD -R	DVD -RW	DVD -R DL	DVD -RAM	DVD +R	DVD +RW	DVD +R DL

* For DVD-RAM playback, please take the disc out of the cartridge before use.

HDMI Interface (DVR-660H, DVR-560H)

These Pioneer DVD recorders feature HDMI (High Definition Multimedia Interface), an industry-supported, uncompressed, all-digital audio/video interface. Connect the DVD recorder with our A/V receiver and flat screen TV, for example, and HDMI's all-digital signal processing gives you superior pictures and sound — with no loss. It does this by allowing transmission of both audio and video signals with no D/A or A/D conversion, through easy single-cable connection. The DVR-660H and DVR-560H feature 1080 digital output, to deliver pictures in the highest resolution.

1080

KURO LINK (DVR-660H, DVR-560H)

By connecting these DVD recorders with a compatible Pioneer flat screen TV, KURO LINK lets you operate the basic functions such as power on/off, playback, and recording, with only the flat screen TV's remote control.

Connect Your Digital Camcorder (DVR-660H, DVR-560H)

Connect your digital video camcorder through the DV-In terminal, and discover how simple it is to view and organize your home movies. When you import video, Auto Chapter can automatically divide footage into chapters for quick access to your favourite scenes. You can edit footage any way you like using the easy-to-follow GUI — changing sequences or selecting only desired scenes — and copy the results to DVD. The remote control is all you need to navigate through functions on both the camcorder and the DVD recorder.

* "i.LINK" and "i.LINK" logo are trademarks. Can be connected to video DV decks and DV camcorders (some models are not compatible).

On-screen Help

Operating a DVD recorder has never been this easy. When you are not sure what to do, just press the HELP button on the new user-friendly remote control. A pop-up message will appear on your screen to guide you through the next steps of the menu.

HELP

Large Capacity in Various Recording Modes

Recording Time

Recording Mode	HDD			DVD+R	Double Layer DVD+R	DVD+RW	DVD-RAM†	DVD-R	Dual Layer DVD-R	DVD-RW
	DVR-660H	DVR-560H	DVR-340H			DVR-660H/DVR-560H/DVR-340H				
XP+	36 H	23 H								
XP	53 H	34 H	17 H	1 H	1.8 H	1 H	1 H	1 H	1.8 H	1 H
SP	106 H	68 H	34 H	2 H	3.5 H	2 H	2 H	2 H	3.5 H	2 H
LP	212 H	136 H	68 H	4 H	7.1 H	4 H	4 H	4 H	7.1 H	4 H
EP	319 H	204 H	102 H	6 H	10.7 H	6 H	6 H	6 H	10.7 H	6 H
SLP	425 H	272 H	136 H	8 H	14 H	8 H	8 H	8 H	14.3 H	8 H
SEP	532 H	340 H	170 H	–	–	–	10 H	10 H	17.9 H	10 H
MN1	711 H	455 H	227 H	8 H*	14 H*	8 H*	13 H	13 H	24 H	13 H

These figures are approximations.
Up to 999 titles can be recorded on HDD. Up to 99 titles can be recorded on a DVD-R/RW/-RAM disc. Up to 49 titles can be recorded on a DVD+R/+RW disc.
† For DVD-RAM playback, please take disc out of the cartridge before use.
* These figures are for MN4 recording mode.

Disc Navigator

Finding recorded programmes is easier than ever. Just scroll through the thumbnails (with sound) of the videos. Choose between 4 titles or 8 titles display mode.

* Not available after finalization of DVD-R/RW discs (Video mode).

4 Titles Display   8 Titles Display

Quick Preview

You can select programmes recorded on the hard disk drive (HDD) from the Disc Navigator, to see a one minute preview. See digests of recorded programmes at your fingertips.

Recorded Programme

Quick Preview

About 1 minute
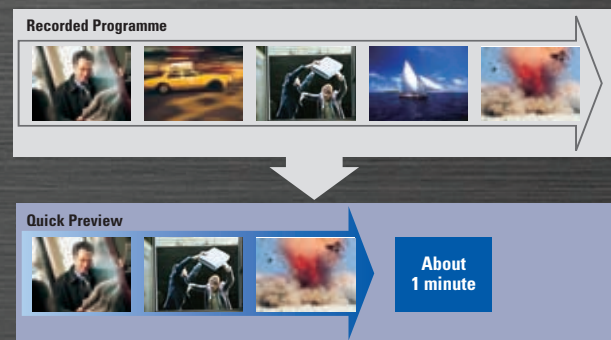
3D Noise Reduction (Component Frame DNR)

Independent noise reductions are applied to Y, Pв, Pв signals to create noise-free high-quality pictures.

PAL/NTSC 3D Y/C Separation Circuit

The DVR-660H and DVR-560H carry the world's first PAL 3D Y/C separation circuit. It eliminates cross-colour artefacts and dot crawls to deliver superior picture quality.

3D Y/C

Conventional   More Clear
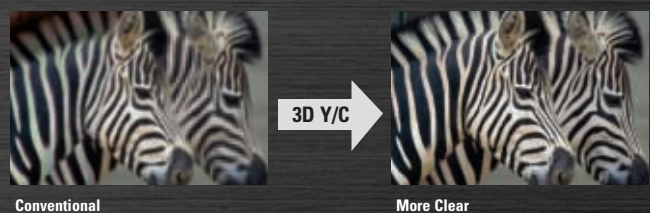
DVR-660H-S

250 GB Hard Disk Drive + DVD Recorder

Video Recording Features
▸ **Maximum 711 hours of recording (MN1) on 250 GB HDD**
▸ **DVD multi format compatible**
• Advanced Variable Bit Rate Recording for optimum picture quality
• High-speed copy (HDD to DVD, DVD to HDD)

Video Playback Features
• 108 MHz/12-bit D/A converter
• Dual PureCinema Progressive Scan (PAL/NTSC)
▸ **1080p upscaling with HDMI output**
▸ **Official DivX Certified product†**

▸ **PAL/NTSC 3D Y/C Separation**
• Dual System
• NTSC on PAL TV

Audio Features
▸ **192 kHz/24-bit audio D/A converter**
▸ **WMA/MP3 playback**
▸ **Digital Jukebox**
▸ **Connect PC via USB (DivX, JPEG, MP3, WMA)**

Conveniences
▸ **Home Media Gallery**
• Disc Navigator
• Quick Preview

• Help function
▸ **PHOTO + MUSIC MIX (JPEG Slideshow with Music)**
▸ **USB terminal**
▸ **i.LINK (DV) terminal**
• HDD sleep mode for reduced noise during DVD/CD playback

HDMI HIGH DEFINITION MULTIMEDIA INTERFACE

1080p UPSCALING

† Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files.

Auto Start Recording Function for External Input

Pioneer DVD recorders come with the Auto Start Recording Function which links with the timer of the connected set top box. The DVD recorders can automatically start and stop recording by detecting the signals from the set top box such as a satellite tuner.
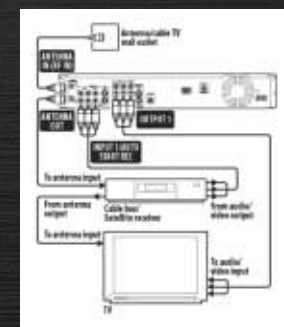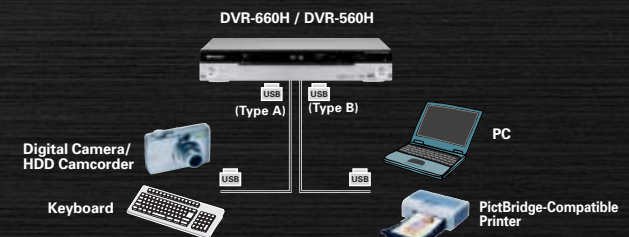
Super High Quality XP+ Recording Mode (DVR-660H, DVR-560H)

The DVR-660H and DVR-560H feature XP+ recording mode, which can make high-grade recordings to the HDD with a transfer rate of around 15 Mbps. The mode lets you store programmes from external components in superb quality.

USB Connections (DVR-660H, DVR-560H)

These DVD recorders offer various input and output options via USB connection. You can connect to HDD camcorders, digital cameras, printers, keyboards, and PCs through the USB port on the front panel. Two types (A & B) of terminals are available depending on your device.

USB

DVR-660H / DVR-560H

USB (Type A)   USB (Type B)

Digital Camera/ HDD Camcorder

PC

Keyboard

PictBridge-Compatible Printer

PHOTO + MUSIC MIX (DVR-660H, DVR-560H)

With Pioneer's PHOTO + MUSIC MIX, you can enjoy JPEG slide shows on your display accompanied by your favourite music from files stored on the HDD. An ideal function for parties and various other occasions.

PhotoViewer
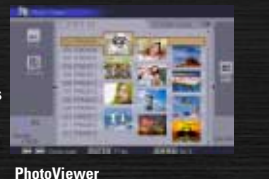
DivX® Video Playback

Pioneer DVD recorders play DivX® videos burned on a CD-R/RW/ROM disc. DivX® is a popular media technology including digital video, which ensures a high compression rate and fast transfer speed without appreciably compromising the picture quality. Create a DivX® movie on your PC, burn it to a disc, and play it on the Pioneer DVD recorders.

* DivX, DivX Certified, and associated logos are trademarks of DivX, inc. and are used under license.

Connect PC via USB (DVR-660H, DVR-560H)

Using a USB connection, you can easily copy WMA, MP3, JPEG, and even DivX files from your PC archive to the DVD recorder's HDD. You can play the stored files by the Home Media Galley function.

* File transfer available with Windows Media Player 11 installed PCs.

Home Media Gallery (DVR-660H, DVR-560H)

With the Home Media Gallery function, you can easily playback files stored on the HDD. Direct keys for the Home Media Gallery are available, providing easy access to most recently recorded DivX file, JPEG files, and Linear PCM/MP3/WMA files.

Key	File Formats
PC VIDEO	DivX
MUSIC	Linear PCM/MP3/WMA and JPEG
PHOTO	JPEG and Linear PCM/MP3/WMA

DVR-560H-S

HDD · DVD · RW · VIDEO CD · COMPACT disc DIGITAL VIDEO · COMPACT disc DIGITAL AUDIO · DivX · WMA/MP3 · PhotoViewer · FUJICOLOR CD COMPATIBLE · DOLBY DIGITAL STEREO CREATOR · dts Digital Out · USB · PictBridge · ™ · SR

160 GB Hard Disk Drive + DVD Recorder

DVD R/W COMPATIBLE · RW COMPATIBLE

Video Recording Features
▶ **Maximum 455 hours of recording (MN1) on 160 GB HDD**
▶ **DVD multi format compatible**
• Advanced Variable Bit Rate Recording for optimum picture quality
• High-speed copy (HDD to DVD, DVD to HDD)

Video Playback Features
• 108 MHz/12-bit D/A converter
• Dual PureCinema Progressive Scan (PAL/NTSC)
▶ **1080p upscaling with HDMI output**
▶ **Official DivX Certified product†**

HDMI™ · 1080p UPSCALING
HIGH DEFINITION MULTIMEDIA INTERFACE

▶ **PAL/NTSC 3D Y/C Separation**
• Dual System
• NTSC on PAL TV

Audio Features
▶ **192 kHz/24-bit audio D/A converter**
▶ **WMA/MP3 playback**
▶ **Digital Jukebox**
▶ **Connect PC via USB (DivX, JPEG, MP3, WMA)**

Conveniences
▶ **Home Media Gallery**
• Disc Navigator
• Quick Preview

• Help function
▶ **PHOTO + MUSIC MIX (JPEG Slideshow with Music)**
▶ **USB terminal**
▶ **i.LINK (DV) terminal**
• HDD sleep mode for reduced noise during DVD/CD playback

HTP-330

A package (receiver subwoofer + speakers) to complement your home theatre with DVD recorder as the centre of your A/V entertainment. For details, please refer to the Pioneer "DVD Home Theatre Systems 2008-2009" Catalogue.

* DVD recorder not included

DVR-340H-S

HDD · DVD · RW · VIDEO CD · COMPACT disc DIGITAL VIDEO · COMPACT disc DIGITAL AUDIO · DivX · WMA/MP3 · PhotoViewer · FUJICOLOR CD COMPATIBLE · DOLBY DIGITAL STEREO CREATOR · dts Digital Out · G-CODE · SR

80 GB Hard Disk Drive + DVD Recorder

DVD R/W COMPATIBLE · RW COMPATIBLE

Video Recording Features
▶ **Maximum 227 hours of recording (MN1) on 80 GB HDD**
▶ **DVD multi format compatible**
• Advanced Variable Bit Rate Recording for optimum picture quality
• High-speed copy (HDD to DVD, DVD to HDD)

Video Playback Features
• 108 MHz/10-bit D/A converter (Progressive Mode only)

• Dual PureCinema Progressive Scan (PAL/NTSC)
▶ **Official DivX Certified product†**
• Dual System
• NTSC on PAL TV

Audio Features
▶ **192 kHz/24-bit audio D/A converter**
▶ **WMA/MP3 playback**
▶ **Digital Jukebox**

Conveniences
• Disc Navigator
• Quick Preview
• Help function

† Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files.

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FEATURE COMPARISON & SPECIFICATIONS: DVD RECORDERS

	DVR-660H-S			DVR-560H-S			DVR-340H-S		
HDD/DVD	**HDD (250 GB)**	**DVD**		**HDD (160 GB)**	**DVD**		**HDD (80 GB)**	**DVD**	
Recording Mode (Format)		VR Mode	Video Mode		VR Mode	Video Mode		VR Mode	Video Mode
HDD Function									
One-Touch Copy	• (HDD to DVD, DVD to HDD)	–		• (HDD to DVD, DVD to HDD)	–		• (HDD to DVD, DVD to HDD)	–	
High-Speed Copy	• (HDD to DVD, DVD to HDD)	–		• (HDD to DVD, DVD to HDD)	–		• (HDD to DVD, DVD to HDD)	–	
Rate Conversion Copy	• (HDD to DVD, DVD to HDD)	–		• (HDD to DVD, DVD to HDD)	–		• (HDD to DVD, DVD to HDD)	–	
Optimized Copy	• (HDD to DVD)	–		• (HDD to DVD)	–		• (HDD to DVD)	–	
Disc Back-up	•	–		•	–		•	–	
Resume (by Title)	•	–		•	–		•	–	
Playback									
Advanced Disc Navigator	•	•	• (before finalization)	•	•	• (before finalization)	•	•	• (before finalization)
Quick Preview	•	–		•	–		•	–	
Seamless Playback	•	•	–	•	•	–	•	•	–
CM Skip/Back (Commercial Skip/Back)		•			•			•	
Simultaneous Playback and Recording/Chase Play	•	–		•	–		•	–	
1.5x Quick View (scan 1)*[1]		•			•			•	
Recording									
PAL/NTSC	• / •			• / •			• / •		
Variable Bit Rate Recording	•			•			•		
Easy Timer	•			•			•		
G-Code System	–			–			•		
One Touch Recording	•			•			•		
Number of Events	32 (up to 1 month ahead)			32 (up to 1 month ahead)			32 (up to 1 month ahead)		
Linear PCM Recording (Audio)	• (LPCM)			• (LPCM)			• (LPCM)		
PC VIDEO	DivX [File Copy]	•	–	–	•	–	–		
PhotoViewer	JPEG [File Copy]	•	–	•	•	–	•		
Digital Juke Box	Linear PCM [CD Ripping]	•	–	–	•	–	–	• AC3 (CD recording)	–	–
	MP3 [File Copy]	•	–	–	•	–	–	•	–	–
	WMA [File Copy]	•	–	–	•	–	–	•	–	–
Editing									
Disc Name/Title Name Input	•	•		•	•		•	•	
Erase Title	•	• *[2]		•	• *[2]		•	• *[2]	
Chapter Edit	•	•	–	•	•	–	•	•	–
Play List	•	–		•	–		•	–	
Accuracy	Frame*[3]/Video Mode	Frame	Title	Frame*[3]/Video Mode	Frame	Title	Frame*[3]/Video Mode	Frame	Title
Copy List	•			•			•		
Picture Quality									
Progressive Scan	PAL/NTSC			PAL/NTSC			PAL/NTSC		
3-D Noise Reduction	•			•			•		
Video DAC	12-bit/108 MHz (Progressive Mode only)			12-bit/108 MHz (Progressive Mode only)			10-bit/108 MHz (Progressive Mode only)		
3D Y/C Separation Circuit (NTSC/PAL)	•			•			• (NTSC only)		
Digital TBC	•			•			•		
Picture Creation	•			•			•		
Compressed Video And Music Play									
DivX®	• *[4]			• *[4]			–	• (CD only*[4])	
DivX PC VIDEO	•			•			–		
JPEG*[5] PhotoViewer	•			•			–	• (CD only*[4])	
MP3*[6]	•			•			•		
WMA*[7]	•			•			•		
Jukebox	•	–		•	–		•	–	
Convenience									
PHOTO + MUSIC MIX	•	–		•	–		–		
Create PhotoMovie	•	•		•	•		–		
Auto Scan Channel Preset	•			•			•		
HELP Function	•			•			•		
OSD Languages	English/Portuguese/Italian/Spanish/Chinese			English/Portuguese/Italian/Spanish/Chinese			English/Portuguese/Italian/Spanish/Chinese		
KURO LINK	•			•			–		
Connect PC (via USB)	•			•			–		
Home Media Gallery	•			•			–		
Tuner									
System	PAL-B/G, I, D/K, NTSC-M/N SECAM-B/G, D/K			PAL-B/G, I, D/K, NTSC-M/N SECAM-B/G, D/K			PAL-B/G, I, D/K, NTSC-M/N SECAM-B/G, D/K		
Terminal									
Input	AV (Audio/Video)	3 (front : 1)		3 (front : 1)		3 (front : 1)			
	S-Video	3 (front : 1)		3 (front : 1)		3 (front : 1)			
Output	AV (Audio/Video)	2		2		2			
	S-Video	2		2		2			
	Component Video	1		1		1			
	Digital Audio	Coaxial		Coaxial		Coaxial			
	HDMI	1 (to 1080p/60 Hz)		1 (to 1080p/60 Hz)		–			
i.LINK (IEEE1394)*[8] (DV Terminal)	1 (in)			1 (in)			–		
USB	2 (Type A front/Type B front)			2 (Type A front/Type B front)			–		
Pioneer System Remote Control	SR Control Input			SR Control Input			SR Control Input		
Dimensions (W x H x D)	420 x 75 x 288 mm			420 x 75 x 288 mm			420 x 69 x 318 mm		
Weight	4.3 kg			4.1 kg			4.2 kg		
Power Requirements	110-240 V 50/60 Hz			110-240 V 50/60 Hz			110-127/220-240 V 50/60 Hz		
Power Consumption	48 W			43 W			39 W		
Power Consumption during Standby Mode	0.67 W (Display off)			0.67 W (Display off)			0.32 W (Display off)		
Remote Control	• (with TV Preset)			• (with TV Preset)			• (with TV Preset)		

*[1] Sound is output with Dolby Digital and Linear PCM audio only. Dialogue may not be clearly reproduced depending on recording conditions.
*[2] For DVD-R discs, remaining volume is not increased after titles are erased. For DVD-RW discs, remaining volume is increased when the last title is erased.
*[3] With high-speed copy in "Video Mode", editing point might be moved.
*[4] Recording format should be in accordance with ISO9660 level 2 CD-ROM file system. Both Romeo and Joliet file systems are playable. CD physical format: Mode1, Mode2 XA Form 1. Chinese characters cannot be displayed, although files featuring such names can be played.
*[5] JPEG file compatibility: This recorder is compatible with FUJICOLOR CD, as well as CD-R/RW/ROM discs containing JPEG files. Baseline JPEG and EXIF files up to 19 megapixels are supported (max. vertical resolution is 3840 pixels and max. horizontal resolution is 5120 pixels).
*[6] Compatible with MPEG1 Audio Layer3 32 kHz and 44.1 kHz and 48 kHz formats. MP3 file name requires MP3 or mp3 as an extension. Up to 99 folders and 999 tracks (MP3 and WMA) in total can be played. (DVR-660H-S/

DVR-560H-S only: If there are more files/folders than this on the disc, then more can be reloaded)
[7] WMA content can be encoded by using Windows Media Player for Windows Vista or Windows XP, Windows Media Player 9, 10, or 11 series. Compatible with sampling rate of 32 or 44.1 or 48 kHz. Not compatible with loss-less-encoding or variable-bit-rate (VBR) WMA files. WMA files encoded with DRM (Digital Rights Management) copy protection will not be played back. * DRM copy protection : DRM (Digital Rights Management) copy protection is a technology designed to prevent unauthorized copying by restricting playback, etc. of material on devices other than the PC (or other WMA recording equipment) used to record it. For detailed information, please see the instruction manuals or help files of your PC (or other WMA recording equipment) and/or software. Up to 99 folders and 999 tracks (MP3 and WMA) in total can be played. (DVR-660H-S/DVR-560H-S only: If there are more files/folders than this on the disc, then more can be reloaded)
*[8] Can be connected to video DV decks and DV camcorders (some models are not compatible). CANNOT be connected to DVD players and A/V receivers.

Rear Panels

DVR-660H-S / DVR-560H-S

DVR-340H-S

15
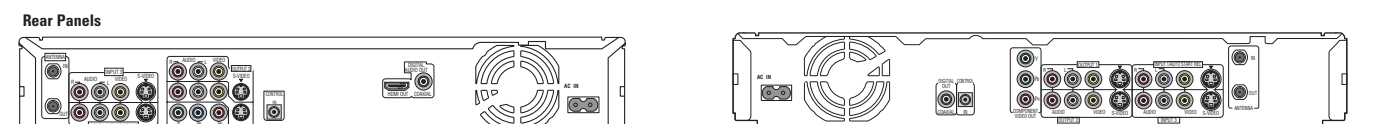
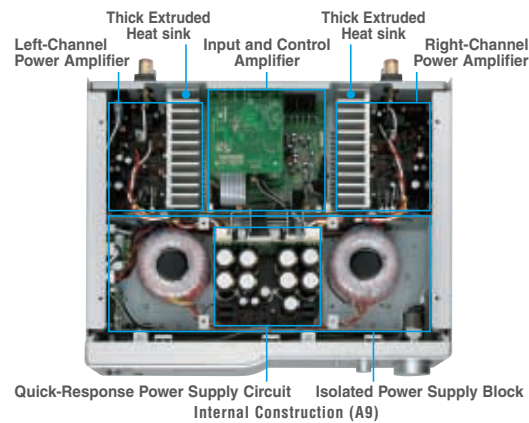# Pure Audio Components — Re-Awaken Your Sound Instincts

The pure audio components are based on "quick response" and "open sound" — the essential elements required in professional recording studios. AIR Studios — home of some of the sharpest ears in the world — contributed to the final tuning. The overall design is based on rigorous simplicity, for sound that is truer to the original source than ever.

A9 A-A9-S

Integrated Amplifier

• AIR Studios sound tuning • Continuous power output: 70 W + 70 W (20 Hz-20kHz, 4 ohms, 0.2 % THD), 55 W + 55 W (20 Hz-20 kHz, 8 ohms, 0.2 % THD) • Twin large toroidal transformers • USB input for PC (Type B) • Direct mode • Input sensitivity/impedance - Line level: 200 mV/47 kohms, Phono (MM): 2.8 mV/47 kohms, Phono (MC): 0.3 mV/100 ohms • Frequency response - Line: 5 Hz - 100 kHz (+0 dB - 3 dB), Phono (MM): 20 Hz - 20 kHz (±0.2 dB), Phono (MC): 20 Hz - 20 kHz (±0.3 dB) • S/N ratio (Direct mode) - Line: 103 dB, Phono (MM): 80 dB (at 2.8 mV), Phono (MC): 70 dB (at 0.3 mV) • Tone control - Bass: 100 Hz ±10 dB, Treble: 10 kHz ±10 dB • Audio input: 6 (CD/PHONO/TAPE/AUX/TUNER/USB for PC) • Audio out: 2 (TAPE/PREOUT) • Power requirement: AC 220-240 V, 50 Hz • Power consumption: 200 W • Dimensions (W x H x D): 420 x 113 x 369 mm • Weight: 10.8 kg

Left-Channel Power Amplifier
Thick Extruded Heat sink
Input and Control Amplifier
Thick Extruded Heat sink
Right-Channel Power Amplifier

Quick-Response Power Supply Circuit
Isolated Power Supply Block
Internal Construction (A9)

A6 A-A6-S

Integrated Amplifier

• AIR Studios sound tuning • Continuous power output: 60 W + 60 W (20 Hz-20 kHz, 4 ohms, 0.2 % THD), 45 W + 45 W (20 Hz-20 kHz, 8 ohms, 0.2 % THD) • Twin transformers • Direct mode • Input sensitivity/impedance - Line level: 200 mV/47 kohms, Phono (MM): 2.8 mV/47 kohms • Frequency response - Line: 5 Hz - 100 kHz (+0 dB - 3 dB), Phono (MM): 20 Hz - 20 kHz (±0.2 dB) • S/N ratio (Direct mode) - Line: 103 dB, Phono (MM): 80 dB (at 2.8 mV) • Tone control - Bass: 100 Hz ±10 dB, Treble: 10 kHz ±10 dB • Audio input: 5 (CD/PHONO/TAPE/AUX/TUNER) • Audio out: 1 (TAPE) • Power requirement: AC 220-240 V, 50 Hz • Power consumption: 170 W • Dimensions (W x H x D): 420 x 100 x 359 mm • Weight: 10.0 kg

* AIR Studios and the AIR Studios logo are registered trademarks of AIR Studios, Inc.

Integrated Amplifiers	AIR Studios Sound Tuning	Power	Transformer	USB input for PC (Type B)	Direct Mode
A-A9-S	•	70 W + 70 W	Toroidal	•	•
A-A6-S	•	60 W + 60 W	Standard	–	•

D9 PD-D9-S

Super Audio CD Player

• AIR Studios sound tuning • 192 kHz/24-bit Twin Wolfson DAC • Legato Link PRO and Hi-Bit Technology • Pure Audio Listening mode • Frequency response - SACD: 4 Hz - 50 kHz (-3 dB), CD: 4 Hz - 20 kHz (-1 dB) • S/N ratio - SACD: 110 dB, CD (Music CD): 115 dB • Dynamic Range: SACD: 110 dB, CD: 100 dB • Power requirement: AC 220-240 V, 50/60 Hz • Power consumption: 22 W • Dimensions (W x H x D): 420 x 113 x 340 mm • Weight: 10 kg

D6 PD-D6-S

Super Audio CD Player

• AIR Studios sound tuning • 192 kHz/24-bit Twin Burr-Brown DAC • Legato Link PRO and Hi-Bit Technology • Pure Audio Listening mode • Frequency response - SACD: 4 Hz - 50 kHz (-3 dB), CD: 4 Hz - 20 kHz (-1 dB) • S/N ratio - SACD: 110 dB, CD (Music CD): 113 dB • Dynamic Range: SACD: 108 dB, CD: 99 dB • Power requirement: AC 110 V/220-240 V, 50/60 Hz • Power consumption: 22 W • Dimensions (W x H x D): 420 x 100 x 340 mm • Weight: 4.5 kg

F3 F-F3-S

FM/AM Tuner

• Schottky barrier diode • Auto preset memory (up to 100 stations) • MPX noise cancel button • Tuning frequency range: 87.5 MHz - 108 MHz • Usable sensitivity (Mono): 11.3 dBf, IHF (1.0μ V/75 ohms) • S/N ratio (at 85 dBf): 76 dB (mono)/75 dB (stereo) • Total Harmonic Distortion (stereo): 0.3 % (1 kHz) • Frequency response: 30 Hz - 15 kHz ±1.0 dB • Power requirement: AC 110 V/220-240 V, 50/60 Hz • Power consumption: 8.0 W • Dimensions (W x H x D): 420 x 78 x 344 mm • Weight: 4.3 kg

SACD Players	AIR Studios Sound Tuning	Twin DAC	Hi-Bit Technology	Legato Link PRO	Pure Audio Listening Mode
PD-D9-S	•	Wolfson	•	•	•
PD-D6-S	•	Burr-Brown	•	•	•

Hi-Fi Components — for Your Audio Bliss

Hi-Fi components from the leader in quality audio — Pioneer. Our product line is extensive, the variety is diverse, and the combination possibilities are immense. Whatever your musical taste or technical sophistication, you'll find Pioneer components that meet your needs.

PD-217

CD Player

• Full-function remote control • Numeric keypad on unit • 1-bit DLC (Direct Linear Conversion) D/A Converter • Digital level control (on remote) • Design for low noise: Display off switch • Compu-PGM Edit and Auto programme editing • Hi-Lite Scan • Memory hold • Talk-back input • Headphone output with volume control

PD-117

CD Player

• 1-bit DLC (Direct Linear Conversion) D/A Converter • Design for low noise: Display off switch • Compu-PGM Edit and Auto programme editing • Hi-Lite Scan • Memory hold • Talk-back input • Pioneer SR (System Remote) terminal

* The PD-117 does not come with a remote control, but it can be controlled with a Pioneer remote using the SR (System Remote) terminal on the rear.

CT-W208R

Cassette Deck

• 2 auto-reverse cassette transports: one plays, and the other plays and records in both directions • Dolby B/C Noise Reduction with built-in MPX filter • Normal/high-speed tape dubbing • Relay play • Music/Skip Search • Auto space rec mute • Auto tape selector

CT-W106

Cassette Deck

• Normal/high-speed tape dubbing • Dolby B Noise Reduction with built-in MPX filter • Auto record level controller • Anti-resonance and anti-vibration design: Large insulators • Two cassette transports • Relay play • LED level indicator • Auto tape selector (Type I/Type II)

A-209

Integrated Amplifier

• Continuous power output: 60 W + 60 W (DIN, 4 ohms) • Wide-Range Linear Circuit • Advanced Direct Energy MOS FET Power Amp • 6 inputs: PHONO, CD, TUNER, LINE, TAPE 1/CD-R/MD, TAPE 2/MONITOR • Low power consumption design • Local circuits off • Complementary capacitor pair • "DIRECT" switch • Bass/treble tone controls • Loudness switch • 2-way tape dubbing • Headphone output • Connections for 2 pairs of speaker systems

F-208

Quartz-PLL Synthesizer Tuner

• Random presets for 30 FM/AM stations • 4-letter station name memory: You can conveniently give 4-character names to your favourite preset stations — "ROCK" and "HITS", for example. • Memory scan: all 30 preset stations are automatically sampled in sequence for you to select a station to listen to.

GR-333

7-Band Graphic Equalizer

• 7-band equalisation: permits boost and cut up to 10 dB • LEDs in slider tips: depict the "shape" of response, channel by channel • Equalizer on/off switch

SE-M280

Stereo Headphone

• Type: closed • Frequency response: 5 Hz-25 kHz • Soft oval ear pads and baffle board structure for comfortable fit • Self adjusting headband • Large diameter (40 mm) driver units • Gold-plated 2-way mini-plug • Weight: 225 g (without cord)

DM-DV5

Microphone

• Type: dynamic • Micro mic unit featuring high sound quality • Talk switch for remote on/off • 2-way adaptor plug

* Available in certain Asian countries only

Speaker Systems — the Keys to Satisfying Home Entertainment

After 70 years since the first hi-fi speaker was made by our founder, Pioneer continues to take advantage of the expertise accumulated over the years. Our comprehensive products come in stylish forms to match your room décor, with dynamic sound for the ultimate home theatre experience.

S-EU8 Series

S-EU8TB

EURO E U R O   S e r i e s   F R O M   E U R O P E

A sleek 4-way tall-boy front speaker system featuring European design and superior sound ensured by advanced materials and constructions

- Magnetically-shielded 4-way tall-boy speakers
- Kevlar® brand fiber cone woofers
- ABD (Acoustic Balanced Driver) Technology for higher clarity with minimum standing waves inside the enclosure
- Maximum power: 130 W
- Dimensions (W x H x D): 250 x 1190 x 300 mm
- Weight: 25 kg
- Impedance: 6 ohms

S-EU8C

EURO E U R O   S e r i e s   F R O M   E U R O P E

A stylish 3-way centre speaker featuring European design and advanced materials and constructions

- Magnetically-shielded 3-way centre speaker
- Kevlar® brand fiber cone woofers
- Maximum power: 130 W
- Dimensions (W x H x D): 560 x 190 x 300 mm
- Weight: 15.6 kg
- Impedance : 6 ohms

S-EU8BS-LR

EURO E U R O   S e r i e s   F R O M   E U R O P E

A sleek 2-way speaker system featuring sophisticated European design and highly-rigid wooden enclosures

- Magnetically-shielded 2-way speakers
- Kevlar® brand fiber cone woofers
- Maximum power: 130 W
- Dimensions (W x H x D): 190 x 350 x 300 mm
- Weight: 7.3 kg
- Impedance: 6 ohms

CP-EU8

EURO E U R O   S e r i e s   F R O M   E U R O P E

Speaker Stands

- Designed especially for the S-EU8BS-LR speaker system

S-EU2 Series

S-EU2TB-LR

EURO E U R O   S e r i e s   F R O M   E U R O P E

Stylish 3-way tall-boy front speaker system featuring European design

- Magnetically-shielded 3-way tall-boy speakers
- 14 cm cone woofer
- 7 cm cone midrange
- 2.5 cm dome tweeter
- Maximum power: 80 W
- Dimensions (W x H x D): 183 x 909 x 233 mm
- Weight: 8.1 kg
- Impedance: 8 ohms

S-EU5 Series

S-EU5TB

EURO E U R O   S e r i e s   F R O M   E U R O P E

A stylish 2-way tall-boy front speaker system featuring natural ambience, European design, and sleek wooden enclosures

- Magnetically-shielded 2-way tall-boy speakers
- Twin woofers placed vertically on the same axis for superior sound localisation
- LDMC (Linear Drive Magnetic Circuit) technology for superior linearity
- Maximum power: 130 W
- Dimensions (W x H x D): 195 x 1032 x 289 mm
- Weight: 13.4 kg
- Impedance: 8 ohms

S-EU5CR

EURO E U R O   S e r i e s   F R O M   E U R O P E

2-way centre/rear speaker system featuring sophisticated European design

- Magnetically-shielded 2-way centre and rear speakers
- Maximum power: 130 W
- Dimensions (W x H x D): 381 x 130 x 153 mm (centre)/130 x 203 x 153 mm (rear)
- Weight: 3.4 kg (centre)/1.9 kg (rear)
- Impedance: 8 ohms

S-EU5BS-LR

EURO E U R O   S e r i e s   F R O M   E U R O P E

2-way bookshelf speaker system featuring sophisticated European design

- Magnetically-shielded 2-way speakers
- Lightweight, high-rigidity glass-fiber cone
- Maximum power: 130 W
- Dimensions (W x H x D): 130 x 203 x 153 mm
- Weight: 1.9 kg
- Impedance: 8 ohms

CP-EU5

EURO E U R O   S e r i e s   F R O M   E U R O P E

Speaker Stands

- Designed especially for the S-EU5BS-LR speaker system

S-EU2CR

EURO E U R O   S e r i e s   F R O M   E U R O P E

Compact, full-range centre/rear speakers featuring sophisticated European design

- Full-range centre and rear speakers
- 8.3 cm cone speaker
- Magnetically shielded (centre)
- Maximum power: 80W
- Dimensions (W x H x D): 220 x 110 x 82 mm (centre)/110 x 110 x 82 mm (rear)
- Weight: 1.0 kg (centre)/0.56 kg (rear)
- Impedance: 8 ohms

Multi-Channel Surround Package

S-MS700

High power surround package including 3-way tall-boy speakers and full-range centre/rear & rear centre speakers

- 3-way bass-reflex floor-standing front speakers with:
  - 20 cm cone woofer
  - 8 cm cone midrange
  - 4 cm cone tweeter
- Full-range 10 cm cone centre and rear speakers
- Magnetically-shielded
- Maximum power: 150 W (front), 120 W (centre/rear & rear centre)
- Dimensions (W x H x D): 240 x 1000 x 250 mm (front) 350 x 130 x 140 mm (centre) 180 x 130 x 140 mm (rear & rear centre)
- Weight: 12.7 kg (front), 2.5 kg (centre), 1.3 kg (rear & rear centre)
- Impedance: 8 ohms

* Available in certain Asian countries only

Speaker Terminals (Front Speakers)

S-MS500 MKII

High-power surround package including 3-way bass-reflex floor-standing front speakers and full-range centre/rear speakers

- 3-way bass-reflex floor-standing front speakers with:
  - 20 cm cone woofer
  - 8 cm cone midrange
  - 4 cm cone tweeter
- Full-range 10 cm cone centre and rear speakers
- Magnetically-shielded
- Maximum power: 150 W (front), 120 W (centre/rear)
- Dimensions (W x H x D): 240 x 900 x 250 mm (front) 350 x 130 x 140 mm (centre) 180 x 130 x 140 mm (rear)
- Weight: 10.7 kg (front), 2.5 kg (centre), 1.3 kg (rear)
- Impedance: 8 ohms

* Available in certain Asian countries only

Speaker Terminals (Front Speakers)
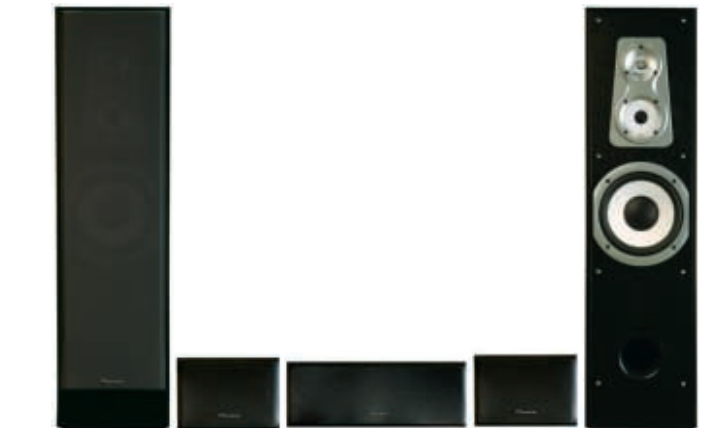
European Design Powered Subwoofers

S-EW2

EURO E U R O   S e r i e s   F R O M   E U R O P E

Down-firing powered subwoofer featuring elegant European design and even deeper bass

- Maximum power: 85 W
- 16 cm woofer for reproducing even deeper bass
- Magnetically-shielded speaker system
- Dimensions (W x H x D): 300 x 375 x 380 mm
- Weight: 11.5 kg

S-EW5

EURO E U R O   S e r i e s   F R O M   E U R O P E

Down-firing powered subwoofer featuring elegant European design and superior sound

- Maximum power: 100 W
- 20 cm woofer for reproducing deep bass
- Special signal-processing method for faithful reproduction of sound without phase lag
- Cone-shaped diffuser for delivering high-quality sound in all horizontal directions
- Magnetically-shielded speaker system
- Front controls for enhanced ease of use
- Auto power on/off
- Dimensions (W x H x D): 350 x 410 x 397 mm
- Weight: 17.9 kg

Pioneer Pure Malt Speakers

An environmentally-friendly 2-way speaker system featuring enclosures made of recycled white oak whiskey barrels
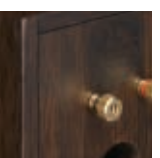
S-A4SPT-VP
S-A4SPT-PM

S-A4SPT-PM

S-A4SPT-VP

- Magnetically-shielded 2-way speaker system
- Environmentally-friendly enclosures made of recycled white oak whiskey barrels
- 10 cm cone woofer
- 2 cm dome tweeter
- 2.5 m OFC (oxygen-free copper) speaker cable included
- Maximum power: 100 W
- Frequency range: 50 Hz-40 kHz (S-A4SPT-VP), 60 Hz-40 kHz (S-A4SPT-PM)
- Dimensions (W x H x D): 154 x 246 x 213 mm
- Weight: 3.7 kg
- Impedance: 6 ohms

10 cm TAD Pulp Cone Woofer (S-A4SPT-VP)

High-Grade Speaker Terminals

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