technical specification

English

Pre-amplifier

Inputs	
Maximum input level	2.5Vrms
Input impedance	47kΩ
Signal/noise ratio	105dB
Line level outputs	
Maximum output level	2.5Vrms
Output impedance	120Ω
Optical output (TOSLINK)	
Sample rate	Up to 96kHz, depending on source

Amplifier

Continuous power output, per channel, 80kHz measurement bandwidth	
Two channels, 8Ω, 1kHz	50Wrms, 0.02% THD+n
Two channels, 4Ω, 1kHz	64Wrms, 0.05% THD+n
Distortion, two channels, 4Ω, 80% power, 1kHz	0.011% THD+n

Video outputs

Composite video	1 x gold plated phono. 1V pk-pk in 75Ω
Component video	Interlaced or Progressive 3 gold plated phono sockets. Y 1V pk-pk in 75Ω, Pb 0.7V pk-pk in 75Ω, Pr 0.7V pk-pk in 75Ω
SCART socket with RGB video (where fitted)	All 0.7V in 75Ω, composite video 1V in 75Ω, and stereo audio Auto switching of TV with aspect ratio control
HDMI	19-pin HDMI connector Supported video formats are: 720 x 576p, 720 x 480p, 1280 x 720p, 1920 x 1080i, 1366 x 768p audio to 2-channel/96kHz (24-bit).

CD/DVD-A/SACD playback

Digital-Analogue Conversion	CS42528 24-bit/192kHz DAC differential output
Frequency response (±0.5dB)	20Hz–20kHz

DAB receiver (where fitted)

DAC	AKM 96kHz 24-bit Delta-Sigma DAC
RF tuning range	174–240MHz (Band III) 1452–1490MHz (L-band)
Sensitivity (typical)	–98dBm (VHF measurement to EN50248)
Input impedance	50Ω
Audio data rate (maximum)	256kbits/s MPEG layer II, protection level 3
Number stored services (maximum)	128

FM receiver

RF tuning range	87.5–108MHz
Sensitivity (typical)	2µV
Signal/noise ratio (at 200mV)	58dB
Distortion (THD at 200mV)	0.5%

AM receiver (where fitted)

RF tuning range	522–1611kHz
Signal/noise ratio (at 200mV)	40dB
Distortion (THD at 30% modulation)	1.5%

General

Supply voltage*	115V or 230V AC, depending on shipping region
Power consumption	Operational 50W (typical), 400W (maximum); Stand-by <5W; Hard stand-by <1W
Size (W x D x H)	W430mm x D350mm x H79mm
Weight (net)	7.75kg
Weight (packed)	10.5kg
Supplied accessories	Mains lead CR100 remote control and four AAA batteries Wire dipole aerial (Band III) Handbook and registration card

*** Solo Movie 2.1 is fitted with a transformer designed to accept the mains voltage in the region that the product was shipped to. If your mains supply voltage does not match this specification (as shown on the rear panel), or you wish to take the unit to a region with a different main voltage, or the mains plug is incorrect, please consult your Arcam dealer.**

This product is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth (U.S. = ground).

E&OE

Note that all specification values are typical unless otherwise stated.

disc types supported

Solo Movie 2.1 plays a wide range of disc types, which include:

- DVD-Video (single region, set at factory)
- DVD-Audio
- SACD version 1.3
- MPEG2-encoded video files
- MPEG4-encoded (DivX) video files (in AVI, MP4, and MP4-Nero formatting
- CDDA ('normal' audio-CDs) including HDCD decoding, CD-R, and CD-RW
- Video CD, and SVCD
- MP2, MP3, WMA, and OGG audio files (some restrictions apply)
- JPEG image files on CD (Picture CDs) and DVD.

Other disc formats may not play correctly in this player.

DVD-R/RW and CD-R/RW discs (Audio CDs and Video CD/Super VCDs) recorded using a DVD recorder, CD recorder or personal computer are not guaranteed to play in the Solo Movie 2.1. Incompatibility may be due to a number of possibilities, including the type of disc used and the recording method.

CD-R/RW and DVD-R/RW compatibility

- This unit will play CD-R and CD-RW discs recorded in CD Audio or Video CD/Super VCD format, or as a CD-ROM containing the audio and video file types listed above. Other content may cause the disc not to play, or to create noise/distortion in the output.
- This unit will play DVD-R/RW discs that are recorded using the DVD Video format, or as a DVD-ROM containing the audio and video file types listed above.
- This unit cannot be used for recording discs.
- This player is compatible with multi-session discs, but plays only sessions that are closed. Unfinalised discs cannot be played.
- File names must not contain blank spaces or special characters (.+/=).
- A CD-ROM used to compile your files must be ISO 9660 Level 1 or Level 2 compliant.
  CD physical format: Mode1, Mode2 XA Form 1, or Mode2 Form 2.
  File names up to 15 characters are supported.
- A DVD-ROM used to compile your files must be ISO 9660 Level 1 or Level 2 compliant.
- Each disc (CD or DVD) may contain up to 1500 directories. Each directory may contain up to 220 files.

Compressed audio compatibility

The Solo Movie 2.1 will play CD- or DVD-ROM discs containing files saved in the MPEG1 Audio Layer 2 (MP2), MPEG1 Audio Layer 3 (MP3), Windows Media file (WMA) and OGG formats, with sampling rates of 44.1 or 48kHz. Incompatible files will not play correctly, potentially causing noise or distortion on the audio outputs.

- Fixed bit-rate files are recommended. Variable bit-rate (VBR) files are playable, but the playing time may not be shown correctly.
- This player recognises only tracks that are named with the file extensions '.mp3', '.wma', '.mp2' and '.ogg' (names are not case-sensitive).
- There are many different recording bit-rates available to encode your audio files. Those supported by this player are:

For MP2, MP3 and OGG playback	The following constant bit rates are supported: 32, 64, 80, 96, 112, 128, 160, 192, 256 and 320 kilobits per second. Variable bit rate (VBR) between 96kb/s and 320kb/s is also supported.
For WMA playback	The following constant bit rates are supported: 48, 64, 80, 96, 128, 160 and 192kb/s.

Note that MP3 audio encoded at 128 kbps or higher should sound close to regular CD Audio quality. This player will play lower bit-rate MP3 or WMA tracks, but be aware that the sound quality becomes noticeably worse at lower bit-rates.

Picture disc compatibility

Solo Movie 2.1 will play CDs or DVDs containing JPEG images.

- Only files with the .jpg or .jpeg extension will be recognised (names are not case-sensitive).
- Kodak picture discs are supported (only the files in the JPEG directory will be shown on the screen).
- Fuji picture discs are supported (select the JPEG files in the clips menu).
- Konica and QSS picture discs are **not** supported.

PC created disc compatibility

- If you record a disc using a personal computer, even if it is recorded in a 'compatible format' as listed above, there will be cases in which the disc may not be playable in this machine due to the setting of the application software used to create the disc. In these particular instances, check with the software publisher for more detailed information.
- Check the DVD-R/RW or CD-R/RW software disc boxes for additional compatibility information.

troubleshooting

Problems with video

No video (blank screen)

- Check that the HDMI cable is connected correctly at both ends. If an HDMI-equipped A/V receiver is in use, try connecting Solo Movie 2.1 directly to the display device, in order to isolate where the fault may lie.
  The fault may be an HDCP (authentication) failure with the HDMI device.
- Check that the display device is set to display the HDMI input (i.e., has not been set to some other video input, instead).
- Check that the HDMI input of the receiver and/or display device is enabled. See the user handbook of the connected device for details on doing this.
- Using an alternative video display device (e.g., connected via the composite video out), check that the 'Video Resolution' item on the Video page of the Set-up menu is set to 'Auto'. See page 18 for details on how to do this.
- Consult the user handbook of the display device to ensure that it can handle the output formats provided by Solo Movie 2.1. Is it one of the following?

720 x 480p (NTSC progressive scan)
720(1440) x 480i (NTSC interlaced) **
720 x 576p (PAL progressive scan)
720(1440) x 576i (PAL interlaced) **
1280 x 720p (HDTV progressive scan)
1366 x 768p (Widescreen progressive scan)
1920 x 1080i (HDTV interlaced)
** *Resolutions not available with HDMI*

At least one of these standards must be supported by the connected device in order for it to work correctly with Solo Movie 2.1.

No video (random noise)

Random noise will be displayed if the content-protection algorithm fails to authenticate the attached device. This will occur, for example, if a DVI device that does not support HDCP (such as a computer monitor) is connected to Solo Movie 2.1.

To attempt to isolate this problem, remove all discs from Solo Movie 2.1, then power-off both Solo Movie 2.1 and the connected display device. Switch the display device on, then Solo Movie 2.1 – at this point, the idle logo of Solo Movie 2.1 should be shown on the display device. If this is not the case, please check the items listed above for a blank screen.

If the noise appears when a copy-protected disc (DVD) is played, then it is the authentication that is failing. Please contact your dealer for further information.

Problems with audio

The type of audio provided by the HDMI connector depends on the configuration of Solo Movie 2.1 (see 'Audio Setup' on page 19). Note that pure DVI devices (connections requiring a HDMI to DVI convertor cable) do not support audio via this connection.

Note that for audio to be transmitted over HDMI, 'Digital audio out' must be set to 'HDMI'.