

#### **United States**

## **ENVIRONMENTAL PROTECTION AGENCY**

Washington, DC 20460

# Version 2.0 Qualified Product Information Form for Audio/Video Products Office of Atmospheric Programs

ENERGY STAR® qualified product information form for use by ENERGY STAR qualified audio/video partners (Companies who have joined ENERGY STAR for audio/video by signing the Partnership Agreement).

You may use this form to report only those products that are sold under your company's brand name. If your firm sells its models to another company that uses its own brand name, that company must join the program and report its own products.

Under Tier 1 of the Version 2.0 specification, this form should be used to submit products that do not meet the Consumer AV Product definition. Products that meet the Consumer AV Product definition should be submitted through the Online Product Submittal tool. Under Tier 2 of the Version 2.0 specification, all products must be submitted using this form (<a href="https://www.energystar.gov/index.cfm?fuseaction=ops">https://www.energystar.gov/index.cfm?fuseaction=ops</a>). Please complete this form using Microsoft Office Excel to ensure valid data. Information from this form will be added to the list of ENERGY STAR qualified Audio/Video products.

Please send this form for each qualifying product model or family to ENERGY STAR for Audio/Video via fax at (202) 862-1144 or email at <a href="mailto:AudioVideo@energystar.gov">AudioVideo@energystar.gov</a>.

Company name  (as listed in Partnership Agreement):  Is your organization the OEM?  If not, who is?  Product contact information (for public requesting product information)  Name: Title: Title: Fax: E-mail:  Product information submitted by (leave blank if same as product contact)  Name: Title:  Fix: E-mail:  Product information submitted by (leave blank if same as product contact)  Name: Title:  Fix: E-mail:  Fix: E-mail:  Title: T	Company Information	
Is your organization the OEM? If not, who is?  Product contact information (for public requesting product information)  Name: Title:  Fax: E-mail:  Product information submitted by (leave blank if same as product contact)  Name: Title: Tel: Fax: E-mail:  Fax: E-mail:  Fax: E-mail:  Fax: E-mail:  Basic Product Information  Please complete all the fields below unless otherwise noted (see Term Definitions at the end of the document).  Brand name/manufacturer: If other brand name, please specify: Model number: Model name: Initial date of manufacture:	Company name	
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Model name:  Initial date of manufacture:	If other brand name, please specify:	
Initial date of manufacture:	Model number:	
	Model name:	
Date no longer manufactured:	Initial date of manufacture:	
	Date no longer manufactured:	

Submit completed form to ENERGY STAR at <u>AudioVideo@energystar.gov</u> 210 Page 1 of 6

D : 211	.1 1 .			
	e on the market:			
If date availab product curre	ble is unknown, is this ntly available?			
Manufacturer	suggested retail price:			
To what majo sold (check al	or markets is this product ll that apply)?			
Austr	ralia/New Zealand			
Cana	da			
China	a			
Europ	pean Union			
☐ Japan	1			
Taiw	an			
☐ USA				
Does this pro- components v and power su	duct consist of several with separate enclosures pplies?			
	se list all components of			
the system	<b>.</b>			
<b>Product Deta</b>	ails			
Product Type	:			
Product Desc	ription:			
Does the devi	ice meet the criteria to be o	classified as a "Dedicated Audio DSP		
Product funct	ions (check all that apply)			
Audio	o amplification (if checked	l, please fill out the section below on amp	lification)	
	Input Power:		watts (at 1/8 MUP	
	_	please check all that apply):	1 kHz Sine Wave)	
	Ampimer Class (		ther ther	
		В _	Ш	
	☐ <sup>7</sup> ull-Spectrum Aı	nplifier		
	Number of ampli	fiers:		
	imited-Bandwid			
	Number of ampli			
	Number of ampli		<u></u>	
	If other, please ex			

	"Over the Air" (OTA) AM/FM	Tuner			
	High resolution display	If checked, please indicate:	Resolution:		horizontal pixels
			X		vertical pixels
			Area:		square inches
		Pow	ver Allowance:		watts
	Networking/Control Protocol				
Netwo	rking/Control Protocol (check al	l that apply):			
	Ethernet				
	802.11 WiFi				
	RS-232				
	RS-485				
	Other (please specify here):				
	Removable media (other than optical disc)	If checked, please indicate:	Types:		
П	Status display	If checked, please indicate:	Resolution:		horizontal pixels
_	1 3	71	Х		vertical pixels
		Diagon	nal screen size:		inches
П	Hard disc drive	If checked, please indicate:	Speed:		— RPM
_		•	Capacity:		<del></del> GB
	Optical disc drive	If checked, please indicate:	Туре:		<u> </u>
П	Indicator light	-			<del></del>
	Remote control	If checked, please indicate:	Туре:		
					<u> </u>
Is auto	power down (APD) enabled by	default?		-	<u> </u>
prol Eme	ot, is the product subject to 3rd p nibit APD, including those used t ergency Communications Systen SI/UL 2572?	for Mass Notification and			_
If APD	) is enabled by default, then:				
	ault APD Timing after (1) the pr ctions or (2) the last user input is		primary		minutes
Can	APD Timing be increased to >3	0 minutes?			<u> </u>
Availa	ble APD settings (please list all t	that apply):			
Ша	ro ADD cottings shared (-1	docariba)2			
How a	re APD settings changed (please	uescribe):			

Does	the product have an external power supply (El	PS)?				_
Is the	EPS ENERGY STAR qualified?					_
and EN	not, does the EPS meet the applicable no-load d power factor requirements provided in the la IERGY STAR Program Requirements for Sing E-AC and AC-DC Power Supplies?	test version of the				_
EPS n	nanufacturer name:					_
EPS n	nodel name:					_
	nodel number (if qualified, as it appears on the fied Product list):	e ENERGY STAR				-
Test I	Results					
All Pı	roducts					,
	All tests were performed per the ENERGY Procedure described in Appendix A of the Y Program Requirements for Audio/Video. (c	Version 2.0 ENERGY S				
Was t	his product tested by the manufacturer?					_
If r	not, please specify the testing facility:					_
Date 7	Tested (3/14/2009):					_
	user interface designed in accordance with IE face Elements in Power Control of Electronic I E/Consumer Environments?		User			_
Office  For the	he remainder of this section, please report r Products should be tested at all voltages co fied.		rkets in w	hich they		old as ENERGY STAR
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OMB Control No. 2060-0528 Approval expires 03/31/2011

Audio Recording average power consumption:	watts
riadio recording average power consumption.	

Audio Amplifiers (required if "Audio amplification" is checked under E	Product Details)
Input Power at MUP:	watts
Input signal frequency (limited bandwidth amplifiers only):	kHz
Input Power at 1/8th MUP:	watts
Output Power: at 1/8th MUP:	watts
On Mode amplifier efficiency (small amplifiers)	%
On Mode amplifier efficiency (medium amplifiers)	%
On Mode amplifier efficiency (large amplifiers)	%
Product Labeling	
Per the requirements in the ENERGY STAR Partnership Agreemen	ent, has the label been placed:
On the top/front of the product?	
On product packaging?	
On your Web site where the product information is displayed?	
☐ In product literature?	
If labeling requirements cannot be met, please explain:	
Qualification	
By checking this box, I declare that the above information is, to the products included for qualification in this submittal. I under data in this submittal with the products listed in this submittal up information is found to be inaccurate, the products will be remo understand that intentionally submitting false information to the Statements Act, Title 19 U.S.C. section 1001.  Dat  e:	erstand that the ENERGY STAR Program will associate all apon receipt. I understand that if any of the above oved from the ENERGY STAR qualified products list. I

### **TERM DEFINITIONS**

#### **Product Classifications**

*AV Product*: For purposes of this specification, all mains-connected products that offer audio amplification and/or optical disc drive functions and do not meet the definition of a Dedicated Audio DSP Device shall be classified as AV Products and subject to the requirements specified in this document.

Consumer AV Product: Consumer AV Products are intended for sale to individual consumers and include the following: cassette decks, CD players/changers, CD recorders/burners, clock radios, DVD & Blu-ray Disc products, equalizers, laserdisc players, mini- and midi-systems, minidisc players, powered speakers, rack systems, stereo amplifiers/pre-amplifiers, stereo receivers, table radios, and tuners.

Dedicated Audio DSP Device: A device may be classified as a "Dedicated Audio DSP Device" if it meets all of the following critieria:

- i) Provides audio digital signal processing as its primary function.
- ii) Provides support for RS232 or similar protocol for hard-wired remote control.
- iii) Does not provide audio amplification

#### **Product Functions**

*Audio Amplification*: A function by which a device increases the amplitude of an audio signal for purposes of sending the signal to a transducer for playback.

Audio Signal Processing: A function by which a device modifies an audio signal for a purpose other than amplification.

*High Resolution Display*: A function by which a device converts a video signal into a visual output (e.g. LCD panel, Plasma display panel).

Status Display: A function by which a product provides a visual display of less than 480x234 pixel resolution or 5 inches diagonal screen size. A typical status display would be a back-lit alphanumeric clock or channel indicator. Note that single indicator lamps are not included under the definition of status displays and are not provided power allowances under this specification.

Networking/Control Protocol: A function by which a device can connect to a network for transmission and receipt of data. The connection may be wired or wireless (e.g. WiFi, Ethernet, Bluetooth, RS-232, USB).

Optical Disc Player/Recorder: A function by which a device can read and/or write data to removable disc media (e.g. CD, DVD, Blu-ray Disc, and derivatives).

#### Other

APD (Auto Power Down): The capability to automatically switch a device from On mode to Sleep mode when all of the following criteria have been met: (1) the device has ceased performance of all primary functions, (2) the last user input has been received (e.g. remote control signal, volume adjustment), and (3) a predetermined period of time (APD timing) has

EPS (External Power Supply): Also referred to as External Power Adapter. A component contained in a separate physical enclosure external to the AV product, designed to convert line voltage AC input from the mains to lower DC voltage(s) in order to provide power to the AV product. An EPS must connect to the AV product via a removable or hard-wired male/female electrical connection, cable, cord or other wiring.

High Definition Resolution: Video output with resolution greater than 480i/p.

Multi-component System: A product consisting of several components with separate enclosures that are sold as and intended for use as a single system. A "Home Theater in a Box" is an example of a Multi-component System.

The public reporting and recordkeeping burden for this collection of information is estimated to average 4.85 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.