AVR-2310 Setup Tool (0.0.16) Manual

DENON

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Minimum hardware and sof	tware requirements:
Туре	PC/AT compatible
CPU	Intel Pentium/P3 1GHz or faster
RAM	256MB or more
Free hard disc space	25MB or more
OS	Windows XP Home Edition / Professional SP2 or more
Display resolution	XGA (1024x768) or more.
Port.	RS-232C
Communication speed	115,200bps
Connection Cable	D-sub 9Pin(mail femail), Straight

1) Minimum hardware and software requirements:

- 2) Installation procedure

 - b. Execute AVR-2310 Setup Tool.
 - Ex. [Start] of Windows [Program] [AVR2310_SystemSetup]

1 Instruction

1.1 Stand alone mode

This mode enables the setting data concerning the product to be made with PC beforehand.

- (1) Select "Stand alone" by the connection port setting.
- (2) Select "Model name" by the Model setting.
- (3) Firmware update.
- (4) Select [System Setup] menu and set parameters.

AVR-2310 (USA) Setup. Finish Real Time Control Setting Top Menu] Power
Real Time Control Setting [Top Menu] Connection Port
Lop Menu Connection Port
1 Main Zone Control
2.Surround Parameter Connection Port : Stand alone ▼ Model : AVR-2310 (USA) Connection Port : Stand by
<u>3.Picture Adjust</u>
4.Multi Zone Control
<u>5.iPod Control</u> Panel + Volume Lock
System Setup
1.Speaker Setup Eock
2.HDMI Setup
<u>3.Audio Setup</u>
4.2one Setup
$\begin{array}{c} 5.0 \text{ option setup} \\ 6.1 \text{ production setup} \\ \end{array} $
7 Turon Broost Setur
O Edit O AVE /AVC O Default
Corr AVR-2210 to Reit Data
Copy Default to Edit Data
Load Param. Save Param.
1.Surround Parameter
2.Load/Save Full Setup
Get the all Setting Data from AV AMP.
And Copy to the Edit Data.
Ford the all Cotting Data to NU NUR
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Load Param. Button : The setup parameter can be loaded from the file in PC. Save Param. Button : Edited setup parameter can be saved to the file. [ETC Setup]-[Surround Parameter] : The surround mode and the parameter can be set to each input function.(see page6)

Hidden Setup Menu : When this item is checked, system setup can not operate.

NOTE

*[Real Time Control] cannot be used.

- *[Load/Save Full Setup] of [ETC Setup] cannot be used.
- *Channel level setting of [Speaker Setup (2)] and [Surround Parameter] may be over write the results of Auto setup.

1.2 Communication mode

1.2.1 Top Menu & System Setup

This mode enables the control of the product from the PC via RS-232C cable.

- (1) Select "COM 1-16" by the connection port setting.
- (2) "Model name" is set automatically.

AVR-2310 (USA) Setup Tool. [Rev.0.0.]	XXI	
	AVR-2310 (USA) Setup.	Finish
Real Time Control [Top Menu] 1.Main Zone Control 2.Surround Parameter 3.Picture Adjust 4.Multi Zone Control 5.iPod Control System Setup 1.Speaker Setup 2.HDMI Setup 3.Audio Setup 4.Zone Setup 5.Option Setup 6.Input Setup 7.Tuner Preset Setup Setting Category C Edit C AVR/AVC O Default Copy Default to Edit Data Copy Default to Edit Data Load Param. Save Param.	Setting Connection Port Connection Port : COM1 Model : AVR-2310 (USA) CON Lock Ites Panel Lock Panel + Volume Lock Remote Lock Setup Lock	er I O Standby
🗆 Hidden Setup Menu	Get the all Setting Data from AVR-2310 And Copy to the Edit Data. Send the all Setting Data to AVR-2310	

Get the all Setting Data from AVR-2310 and copy to the Edit Data Button

: All setup parameter of [System Setup] can be loaded from the AVR2310 connected via RS-232C, and then those parameters copy to the edit data.

Send the all Setting Data to AVR-2310 Button

: All edited setup parameter of [System Setup] can be set to the AVR2310 connected via RS-232C.

(3) Firmware update.

If the firmware of the product is older version for this setup tool, following window would be appeared at operation (2).

Click button (1) and update firmware of the product.

It takes about 20 minutes to update firmware.

Don t turn off the power for the product while updating firmware.

If you turn off the power for the product or unplug RS-232C cable while updating firmware, it may cause damage on the product. Please take care for this operation.

AVR-2310 (USA) Setup Tool. [Rev.0.0.X	XI	
	AVR-2310 (USA) Setup.	Finish
	Sotting	
	Concerning Boot	
	Connection Port	
	Connection Port : COM1 🚽 Model : AVR-2310 (USA) 🔻	
	- Caution !!	
	If you execute version up program,	
	Please disconnect plug from DOCK CONTROL connector.	
	1 5	
	I have now firmware for this AVD	
	I have new firmware for this AVR.	tton
	(Vorgion up ig about 20min (Marimum))	CCOII.
	(version up is about zomin.(Maximum))	
	1	
<u>,</u>		

(1)

(4) Select [System Setup] menu and set parameters.



[Setting Category]

Edit : now editing. ,

AVR/AVC : setting data of the AVR2310 connected via RS-232C.(Not edit) Default : Default setting. (Not edit)

Copy AVR-2310 to Edit Data Button

: Setup parameter on selected page can be loaded from the AVR2310 connected via RS-232C, and then those parameters copy to the edit data.

Copy Default to Edit Data Button

: Default setting data can be copied to the edit data of selected page.

Send the setup data on this page Button

: Edited setup parameter on selected page can be set to the AVR2310 connected via RS-232C.

1.2.2 Surround Parameter of ETC Setup

Real Time Control Surround Parameter Setup [Top Menu] Assign Surround Mode to Input Source 1.Main Zone Control Zone 2.Surround Parameter Signal 3.Picture Adjust Analog 4.Multi Zone Control Input Source 5.iPod Control Input Source System Setup Surround Mode 1.Speaker Setup Surround Parameter to Surround Mode 3.Audio Setup Assign Surround Parameter to Surround Mode 4.Zone Setup Surround Mode 5.Option Setup Stereo 6. Duput Setup Channel Volume 7. Option Setup Channel Volume		AVR-2310 (USA) Setup.
System Setup 1.Speaker Setup 2.HDMI Setup 3.Audio Setup 4.Zone Setup 5.Option Setup 6. Input Setup Channel Volume	Real Time Control [Top Menu] 1.Main Zone Control 2.Surround Parameter 3.Picture Adjust 4.Multi Zone Control 5.iPod Control	Surround Parameter Setup Assign Surround Mode to Input Source Zone : Main Singnal : Analog Input Source : TUNER Surround Mode : Stereo Dynamic EQ Reference Level Offset OdB Dynamic Volume Restorer HQ
4.Zone Setup Surround Rode Standard Rode Concoff 5.Option Setup Channel Volume Tone	System Setup <u>1.Speaker Setup</u> <u>2.HDMI Setup</u> 3 Audio Setup	Assign Surround Parameter to Surround Mode
	<u>4.Zone Setup</u> <u>5.Option Setup</u> <u>6.Dput Setup</u>	Stereo Center Ing.
7.Tuner Preset Setup Setting Category C Edit C AVR/AVC C Default Copy AVR-2310 to Edit Data Copy Default to Edit Data FHR : dB Dn Up Fader Fader Fader For Tone Control Tone Tone Tone Bass : 0 dB Dn Up Treble : 0 dB Dn Up Surround Back Channel Out Surround Back Channel Out	<u>-7.Tuner Preset Setup</u> Setting Category C Edit C AVR/AVC C Default Copy AVR-2310 to Edit Data Copy Default to Edit Data	FL: 0.0 dB Dn Up SL: dB Dn Up FR: 0.0 dB Dn Up SR: dB Dn Up C: dB Dn Up SBL: dB Dn Up SW: dB Dn Up SBR: dB Dn Up FHL: dB Dn Up SB: dB Dn Up FHR: dB Dn Up Fader Surround Back Channel Out
Load Paran. Save Paran. FTC Setup SW 1.Surround Parameter C OFF C ON 2.Load/Save Full Setup Delay Time Effect Level Default Options Contar Width	Load Param. Save Param. ETC Setup	Front Rear SW Front Height C OFF C ON C OFF C ON Delay Time Effect Level Default Conter Width
Load the Surround Parameter to File. Save the Surround Parameter to File.		Load the Surround Parameter from File. Save the Surround Parameter to File. Save the Surround Parameter to AVR-2310.

Load the Surround Parameter from File Button

: The surround parameter can be loaded from the file in PC.

Save the Surround Parameter to File Button

: The edited surround parameter can be saved to the file.

Set the Surround Parameter to AVR-2310 Button

: Edited surround parameter can be set to the AVR2310 connected via RS-232C.

1.2.3 Load/Save Full Setup of ETC Setup

Real Time Control I.Gom Menul I.Main Zone Control If you execute save/load program, 2.Surround Parameter Please disconnect plug from DOCK CONTROL connector. S.Picture Adjust Get Full Setup Data from AVR-2310 (and File Save) System Setup Set Full Setup Data to AVR-2310. 1.Speaker Setup Set Full Setup Data to AVR-2310. 2.HDMI Setup Set Full Setup Data to AVR-2310. Set Full Setup Data to AVR-2310. With Auto Setup Data. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Full Setup Data to AVR-2310. Set Full Setup Set Setup S

Get Full Setup Data from AVR-2310 (and File Save) Button

: All backup data can be loaded from the AVR2310 connected via RS-232C, and then those data can be saved to the PC.

Set Full Setup Data to AVR-2310 Button

: All backup data can be set to the AVR2310 connected via RS-232C.