

# **AVDS Test Pattern Generator**

# Quick Guide



<u>Document Information</u> Summary: Instructions and recommendations for adding a TPG Channel in the AVDS Configuration File. Revision: 002-0045-01 Rev A AVDS TPG Configuration

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# 1. Required Tools

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- **1.1** Before executing this Quick Guide, the following tools are required.
  - The AVDS Client application (890-0002-01 Rev AC5.1 or later)
  - At least one AVDS Node in the System
  - To Determine if the AVDS Node is compatible with a TPG Channel:
    - On the AVDS Client, navigate to Advanced tab → HWID Control
      - Base Part Number that are NOT compatible with TPG are 110-0001-xx and 110-0029-xx

	Node Addre	ess: 30 💌	
-Unit Part Number:	Serial Number:	Base Part Number:	Base Serial Number:
100-00/4-63	▼  15/341N0001		155325A0004

**Do not** change or configure the HWID as these are set during the production process.

*NOTE:* Reference the **AVDS Installation Manual** and/or **AVDS Client User Guide** for information on installation and user instructions. www.ia.support.

#### 2. AVDS Client

- **2.1** Open up AVDS Client application.
- **2.1.01** Navigate to the **Configuration** tab  $\rightarrow$  **Configuration Editor** (See image below).

🔊 A	VDS Client				
File	Control	Configuration	Diagnostics	Advanced	Wind
1		Audio Gai	in		
		Configura	tion Editor		
1	Configura	Vectored I	File Merge		
F	ile				
	<b>  🖆   🖆  </b>	II 🗸 88 8	8		
De	sign View	XML View			



#### 2.2 Configuration Editor

**2.2.01** Once the Configuration Editor is opened and AVDS hardware has been added. Select the Driver portion of the editor and click the plus sign to add a Driver.

S Configuration Editor: (unsaved)*			
File           Design View         XML View			
Configuration     Debug     Network	<b>4</b>	Drivere	
	Address Port	Name	
	Click A	dd	

#### 2.3 New Driver

**2.3.01** In the New Driver Window, select the drop-down menu and navigate to **Baseboard Pattern Gen**. Select the Node in which you want to add a Baseboard Pattern Generator to and click **OK**.

S Configuration Editor: (unsaved)*	
Configuration     Debug     Network	Now Driver
Streaming Channels Hardware D-AVDS Node Address 1 The AVDS Node Address 2	Driver: Baseboard Pattern Gen
	Node Address: AVDS Node Address 1 💌 🛨
□-Output Channels └-Channel (Defaults) └-Zones	
	OK Cancel
Output	

#### NOTE: IA recommends adding Baseboard Pattern Generators to each AVDS Node in the system



**2.3.02** Once you have configured a Baseboard Pattern Generator to each AVDS node your configuration should look like the picture below.

📎 Configuration Editor: (unsaved)*				
File				
Design View XML View				
E- Configuration	<del>4</del> - •			
Network			Drivers	
Hardware	Address	Port	Name	
AVDS Node Address 1     AVDS Node Address 2	2 🗙 1.0		Baseboard Pattern Gen	
AVDS Node Address 3	2.0		Baseboard Pattern Gen	
- Baseboard Pattern Gen	3.0		Baseboard Pattern Gen	
Baseboard Pattern Gen	<u>+</u>			
Channel (Defaults)				
Channel (Defaults)				
Zones				

#### 2.4 Input Channel

2.4.01 Now that drivers have been added to its prospective AVDS Node. The next step is to assign Input Channels to each Driver. Select the configurated Driver and <u>click the green plus sign</u> to create an Input Channel. (See picture below)

Design View   XML View	← → <sup>1</sup> / <sub>2</sub>
···· Network	Baseboard Pattern Generator
	Node Address: 1 Click Add
D AMDS Node Address 3	Channel: Clear
Baseboard Pattern Gen	Use: Vormat Out: Scramble
E Input Channels	Channel: Clear
Channel (Defaults)	Use: -

## 2.5 Assigning Channel Numbers

**2.5.01** Create an Input Channel Name for the selected channel. **Channel Numbers** <u>300-399</u> are dedicated to configuring Baseboard Pattern Generators. This allows us to keep the TPG input channels out of the way for all other configured input channels. Click OK to add.

(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	
New C	hannel
Channel Name: TPG_NODE_1	Channel Number: 399
Priority:	Audio Gain: 0



### 2.6 TPG Format

**2.6.01** Navigate to the **Use** case drop-down menu and select <u>HD</u>. Then, navigate to the **Format Out** drop-down menu and select <u>720p60</u>. This is a standard configuration and use cases may vary.

⊡ Configuration ⊡ Hardware	🗢 🔿 🔒
AVDS Node Address 1	Baseboard Pattern Generator
AVDS Node Address 2     AVDS Node Address 3     Drivers     Baseboard Pattern Gen	Node Address: 1
<mark>Baseboard Pattern Gen</mark> Baseboard Pattern Gen ⊡-Input Channels Channel (Defaults) ⊕-Channel 397 (TPG_NODE_3)	Channel: Channel 399 (TPG_NODE_1)  Clear Use: HD Format Out: 720p_60 Cteanble
Channel 398 (TPG_NODE_2)     Channel 399 (TPG_NODE_1)     Output Channels     Zones	Use: Use:

Repeat steps in **Section 2** for each AVDS Node. Once you have created Input Channels and their individual blocks verify under Input Channels that your configuration is correct.

Configuration     Ardware	<del>4</del> >		
AVDS Node Address 1     AVDS Node Address 2	Input Channels Channels:		
Unvers Baseboard Pattern Gen	Channel	Name	
Baseboard Pattern Gen		Defaults	
Input Channels	397	TPG_NODE_3	
Channel (Defaults)     ⊡. Channel 397 (TPG_NODE_3)	398	TPG_NODE_2	
	399	TPG_NODE_1	
	+		
- Output Channels			
Zones			

NOTE: The TPG Driver is addressed as the Node it is configured to and the baseboard (Addr 0). For example, Node 1 TPG is Addressed as 1.0.



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