



## Wi-Fi CERTIFIED™ Interoperability Certificate

This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing.  
Learn more: [www.wi-fi.org/certification/programs](http://www.wi-fi.org/certification/programs)



**Certification ID: WFA63769**

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<b>Date of Last Certification</b>	May 10, 2018
<b>Company</b>	Hansong (Nanjing) Technology Ltd.
<b>Product</b>	MartinLogan CRESCENDO X
<b>Model Number</b>	CRESCENDO X
<b>Product Identifier(s)</b>	810123021291 (UPC), 810123021307 (UPC), 810123021314 (UPC), 810123021321 (UPC)
<b>Category</b>	Gaming, Media & Music
<b>Subcategory</b>	Digital Audio - Stationary (speakers, receiver, MP3 player)
<b>Hardware Version</b>	Product: VM1.00, Wi-Fi Component: V03
<b>Firmware Version</b>	Product: VM1.00, Wi-Fi Component: V2.0.0.005
<b>Operating System</b>	Linux, version: V2.0.0.005
<b>Frequency Band(s)</b>	2.4 GHz, 5 GHz

### Summary of Certifications

<b>CLASSIFICATION</b>	<b>PROGRAM</b>
Connectivity	Wi-Fi CERTIFIED™ a, b, g, n WPA™ - Personal WPA2™ - Personal
Optimization	WMM®
Access	Wi-Fi Protected Setup™



**Security**

WPA™ - Personal  
WPA2™ - Personal

**Wi-Fi CERTIFIED™ a**

**Wi-Fi CERTIFIED™ b**

**Wi-Fi CERTIFIED™ g**

**Wi-Fi CERTIFIED™ n**

2.4 GHz, 5 GHz  
1 Spatial Stream 2.4 GHz  
1 Spatial Stream 5 GHz  
Short Guard Interval  
TX A-MPDU  
40 MHz operation in 2.4 GHz, with coexistence mechanisms  
40 MHz operation in 5 GHz

**WMM®**

**Wi-Fi Protected Setup™**

2.4 GHz, 5 GHz  
PIN  
Push-Button (PBC)