

**SONY**<sup>®</sup>

# White paper

September 2015



**Stereo Bluetooth<sup>®</sup> Headset**  
SBH54

# About this document

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This document contains technical specifications for the Sony SBH54 Stereo Bluetooth® Headset.

## Document history

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Version		
September 2015	First released version	Version 1

## Sony Mobile Developer World

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For the latest technical news, tutorials and development tools, go to [www.sonymobile.com/developer](http://www.sonymobile.com/developer).

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[www.sonymobile.com](http://www.sonymobile.com)

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# Product details

## Introduction

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The Stereo Bluetooth® Headset SBH54 is a wireless headset with a dust and water resistance rating of IP42. You can use it together with an Android™ powered device such as a smartphone or tablet, or with a Bluetooth® compatible device such as a non-Android phone or a music player.

When paired with a compatible device, you can use your headset to control incoming and outgoing phone calls from two devices or listen to music. After installing the SBH54 host application on your Android™ device, you can also use your headset to display event notifications such as a text messages, emails and calendar event reminders, or even make a call directly from the SBH54 call log.

## Technical specifications

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<b>Size (module)</b>	19.2 x 16.7 x 70 mm
<b>Weight</b>	
Core unit	18.6 grams
Core unit with the wired headphones attached	26.8 grams
<b>Available colours</b>	Gentle black, Gold
<b>Keys</b>	Power key (on/off) Call key Back key/Menu key Music key/Action key Previous key Next key Volume key (up/down)
<b>Vibrator</b>	Yes
<b>Ear speaker</b>	Yes
<b>Microphone</b>	Yes
<b>Display</b>	
Resolution	128x36 pixels
Size (diagonal)	0.9 inch
Type of display	OLED
<b>Bluetooth</b>	

Bluetooth specification	3.0 + EDR
Profiles	HSP, HFP, A2DP and AVRCP
<b>NFC</b>	Yes, for One-touch pairing and mobile device access
<b>USB</b>	Yes, standard micro USB (charging and firmware updates only)
<b>Battery</b>	
Type	Lithium-ion
Capacity	120 mAh
Charge time	1 hour
<b>Usage time</b>	
Streaming time	Up to 8 hours
Talk time	Up to 4 hours
Standby time	Up to 250 hours
<b>Environmental data</b>	
Operating temperature range	-20°C to +60°C
Operating humidity range	5% to 99% RH
Storage temperature range	-40°C to +85°C
Storage humidity range	25% to 70% RH
Charging temperature range	5°C to 45°C
Water and dust classification	IP42

## Mobile device hardware requirements

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<b>Host application compatibility</b>	Android version 4.4 or later
<b>Bluetooth</b>	Version 3.0 or later

# Technologies in detail

The information presented in this section is a general overview of the technology incorporated into the product. However, hardware and software levels of compliance to standards and specifications vary between products and markets. For more information, contact Sony Mobile Developer World or your Sony representative.

## Device-to-device communications (local)

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### Bluetooth® wireless technology

Bluetooth® profiles supported	Headset Profile v1.2 Hands-Free Profile v1.6 Advanced Audio Distribution Profile v1.2 Audio/Video Remote Control Profile v1.4
Core version and supported core features	Version 3.0 + EDR
Supported devices	Products which support at least one of the Bluetooth® profiles listed above.

More information:

[www.sonymobile.com/developer](http://www.sonymobile.com/developer)

[www.bluetooth.com](http://www.bluetooth.com)

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