

# SupraPlus Wideband Headsets



- All the attributes of SupraPlus H-tops with the addition that they support wideband transmit & receive audio.
- Designed to work with the new generation of wideband enabled IP hardphones and softphones to deliver gives richer communications with natural sound and enhanced audio clarity
- This new family of wideband headsets are designated by an HW prefix in the model number e.g. HW261N
- Four new models:

HW251/A –  
Mon, Voicetube

HW261/A –  
Bin, Voicetube

HW251N/A – Mon, NC    HW261N/A – Bin, NC



# Introduction

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- The adoption of wideband enabled IP hardphones and softphones is rapidly increasing, both from traditional manufacturers and from 'new' entrants such as Microsoft
- There is also an emerging demand for Integrated Communication and Entertainment (ICE) solutions which support both telephony and HiFi stereo listening from PC based multi-media applications
- Conventional headsets and telephones do not support wideband and stereo audio
- The SupraPlus Wideband and Stereo headset family and adapters will address these unfulfilled market needs

# What is Wideband?



- Traditional desk phones only pass audio from 300Hz to 3.4kHz – this is referred to as Narrowband
- The new generation of IP hardphones pass wider band audio 150Hz to 6.8kHz - this is referred to as Wideband
- All enterprise grade softphones support wideband
- Wideband delivers more natural sounding, clearer speech, enhancing the users listening experience
- Note: In order to maintain wideband speech, the call path must support wideband throughout
  - :: If any part of the call path passes narrowband only, then narrowband call quality will be experienced
  - :: The PSTN is narrowband, so if a call passes through the PSTN the caller will experience narrowband speech even if using a wideband headset
  - :: In contrast calls between internal extensions using wideband enabled IP-phones will be of wideband quality
  - :: The same will apply to internal softphone to softphone calls as the communication path will pass wideband throughout

# What is Stereo/HiFi?

- HiFi (High Fidelity) operates at a much higher bandwidth of up to 22KHz
- It is (almost) always paired with stereo which offers independent signals for left and right speakers
- Applications are music & multimedia
- Supported by PCs through applications such as Windows Media Player, iTunes etc
- Not supported through IP hardphones....,

# HW-Top Features & benefits



	Features	Benefits
SupraPlus	Lightweight and stylish design	A headset people are happy to be seen wearing.
	Robust construction	Exceptional reliability
	T-bar support and 'floating' receivers for all-day comfort	Exceptional all-day wearing comfort.
	QuickCall feature for short-call convenience	90° swivel on ear pad allows convenient, handset-like pickup on short-calls
SupraPlus Wideband Adds:	Wideband receive (150Hz – 6.8KHz)	Wideband audio range gives richer communications with natural sound and enhanced audio clarity when used with wideband enabled IP hard and softphones
	Wideband transmit (150Hz – 6.8KHz)	
	TIA 920 compliant frequency responses	
	Improved NC performance	Better echo performance on VoIP systems

# SupraPlus Stereo Features & benefits



	Features	Benefits
All SupraPlus Stereo models	HiFi Stereo receive (100Hz-16kHz)*	Great audio quality for multimedia applications
	Wideband transmit (150Hz – 6.8KHz)	Great audio quality for wideband IP softphone applications
	In line volume and mute controls	Easy to reach controls for regularly accessed features
	In line mute indication	Clear indication if your microphone is 'on'
	Echo management	Enhanced audio quality for VoIP calls
Premium	In line hookswitch control	Full integration with a wide range of enterprise grade IP softphones
	Quick Disconnect™	Flexibility to change headsets when you want to, or to move away from your desk whilst still wearing the headset
Value	Hardwired	Entry level, value solution

# Benefits over PC headset Range

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- Integration with enterprise softphones
  - :: PerSonoCall software provide hookswitch control
- Acoustic shock limiting
  - :: Prevention of very loud sounds reaching the ear
- Echo management
  - :: Control of echo for improved call quality on VoIP
- Professional build quality
  - :: Built to last in demanding environments
- Quick Disconnect
  - :: Flexibility to change headsets when you want, or to move away from your desk whilst wearing the headset
- Voice Tube option
  - :: Choice of Plantronics distinct, clear and discreet voice tube for optimum hygiene (on HW headsets only)