



Sterling 8C

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Data Sheet
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Sterling 8C ITE · Technical Data

Type	118/55		124/65	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level				
OSPL 90 at 1.6 kHz	-	119 dB SPL	-	128 dB SPL
OSPL 90 (Peak)	118 dB SPL	128 dB SPL	124 dB SPL	134 dB SPL
HFA-OSPL 90	112 dB SPL	-	119 dB SPL	-
Gain				
FOG at 1.6 kHz	-	56 dB	-	68 dB
FOG (peak)	55 dB	65 dB	65 dB	75 dB
HFA-FOG	48 dB	-	60 dB	-
Reference test gain	35 dB	44 dB	42 dB	53 dB
Frequency, noise and directivity				
Frequency range 80 8C 60 8C / 40 8C	100-8000 Hz 100-7700 Hz	100-8500 Hz 100-8000 Hz	100-6000 Hz 100-6000 Hz	100-6100 Hz 100-6000 Hz
Equivalent input noise	20 dB SPL	21 dB SPL	20 dB SPL	21 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	2 / 2 / 2 / 2 %	3 / 3 / 3 / - %	3 / 3 / 2 / 2 %	5 / 7 / 3 / - %
Broadband tinnitus function	75 dB	-	80 dB	-
AI-DI	5.2 dB		5.2 dB	
Inductive coil sensitivity				
MASL (1 mA/m) at 1.6 kHz	-	84 dB SPL	-	96 dB SPL
HFA MASL (1 mA/m)	79 dB SPL	-	90 dB SPL	-
HFA SPLITS (left/right)	96 / 96 dB SPL	-	104 / 104 dB SPL	-
RSETS (left/right)	2 / 2 dB	-	2 / 2 dB	-
Battery				
Battery voltage	1.3 V		1.3 V	
Battery current drain	1.3 mA	1.3 mA	1.3 mA	1.3 mA
Battery life (cell zinc air) Type 312 (without streaming)	~ 100 h		~ 100 h	
Battery life (cell zinc air) Type 312 (incl. 5 h streaming)	~ 70 h		~ 70 h	
Battery life (rechargeable)	-		-	
IRIL IEC 60118-13:2016 Ed. 4.0				
700-960 MHz (rating)	user		user	
1400-2000 MHz (rating)	user		user	
2000-2700 MHz (rating)	user		user	
ANSI C63.19-2011				
800-950 MHz (rating)	M4 / T4		M4 / T4	
1600-2500 MHz (rating)	M4 / T4		M4 / T4	

Sterling 8C ITC · Technical Data

Type	113/50		118/55		124/65	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level						
OSPL 90 at 1.6 kHz	-	118 dB SPL	-	119 dB SPL	-	127 dB SPL
OSPL 90 (Peak)	113 dB SPL	124 dB SPL	118 dB SPL	128 dB SPL	124 dB SPL	133 dB SPL
HFA-OSPL 90	108 dB SPL	-	111 dB SPL	-	119 dB SPL	-
Gain						
FOG at 1.6 kHz	-	53 dB	-	53 dB	-	65 dB
FOG (peak)	50 dB	61 dB	55 dB	65 dB	65 dB	75 dB
HFA-FOG	45 dB	-	47 dB	-	60 dB	-
Reference test gain	31 dB	43 dB	34 dB	44 dB	42 dB	52 dB
Frequency, noise and directivity						
Frequency range 80 8C 60 8C / 40 8C	100-9000 Hz 100-8000 Hz	150-9500 Hz 150-8000 Hz	100-8000 Hz 100-7800 Hz	110-9000 Hz 120-8000 Hz	100-6300 Hz 100-6300 Hz	100-6800 Hz 100-6800 Hz
Equivalent input noise	20 dB SPL	20 dB SPL	21 dB SPL	21 dB SPL	21 dB SPL	21 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	3 / 3 / 3 / 3 %	4 / 5 / 5 / - %	2 / 2 / 2 / 2 %	3 / 3 / 3 / - %	3 / 3 / 2 / 2 %	5 / 7 / 3 / - %
Broadband tinnitus function	68 dB	-	75 dB	-	80 dB	-
AI-DI	4.8 dB		4.8 dB		4.8 dB	
Inductive coil sensitivity						
MASL (1 mA/m) at 1.6 kHz	-	74 dB SPL	-	85 dB SPL	-	98 dB SPL
HFA MASL (1 mA/m)	65 dB SPL	-	79 dB SPL	-	91 dB SPL	-
HFA SPLITS (left/right)	94 / 94 dB SPL	-	97 / 97 dB SPL	-	104 / 104 dB SPL	-
RSETS (left/right)	3 / 3 dB	-	3 / 3 dB	-	3 / 3 dB	-
Battery						
Battery voltage	1.3 V		1.3 V		1.3 V	
Battery current drain	1.3 mA	1.3 mA	1.3 mA	1.3 mA	1.3 mA	1.3 mA
Battery life (cell zinc air) Type 312 (without streaming)	~ 100 h		~ 100 h		~ 100 h	
Battery life (cell zinc air) Type 312 (incl. 5 h streaming)	~ 70 h		~ 70 h		~ 70 h	
Battery life (rechargeable)	-		-		-	
IRIL IEC 60118-13:2016 Ed. 4.0						
700-960 MHz (rating)	user		user		user	
1400-2000 MHz (rating)	user		user		user	
2000-2700 MHz (rating)	user		user		user	
ANSI C63.19-2011						
800-950 MHz (rating)	M4 / T4		M4 / T4		M4 / T4	
1600-2500 MHz (rating)	M4 / T3		M4 / T3		M4 / T3	

Sterling 8C CIC · Technical Data

Type	113/50		118/55		124/65	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level						
OSPL 90 at 1.6 kHz	-	116 dB SPL	-	119 dB SPL	-	127 dB SPL
OSPL 90 (Peak)	113 dB SPL	124 dB SPL	118 dB SPL	128 dB SPL	124 dB SPL	135 dB SPL
HFA-OSPL 90	108 dB SPL	-	112 dB SPL	-	119 dB SPL	-
Gain						
FOG at 1.6 kHz	-	51 dB	-	55 dB	-	66 dB
FOG (peak)	50 dB	60 dB	55 dB	65 dB	65 dB	75 dB
HFA-FOG	45 dB	-	48 dB	-	59 dB	-
Reference test gain	32 dB	41 dB	35 dB	45 dB	42 dB	51 dB
Frequency, noise and directivity						
Frequency range 80 8C 60 8C / 40 8C	100-10000 Hz 100-8100 Hz	120-10000 Hz 150-8100 Hz	100-10000 Hz 100-8000 Hz	100-10000 Hz 100-8000 Hz	100-9200 Hz 100-8100 Hz	100-9200 Hz 100-8100 Hz
Equivalent input noise	18 dB SPL	18 dB SPL	18 dB SPL	18 dB SPL	18 dB SPL	19 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	3 / 3 / 2 / 1 %	4 / 5 / 4 / - %	2 / 2 / 2 / 1 %	2 / 2 / 2 / - %	2 / 2 / 1 / 1 %	3 / 4 / 2 / - %
Broadband tinnitus function	70 dB	-	75 dB	-	80 dB	-
AI-DI	-	-	-	-	-	-
Inductive coil sensitivity						
MASL (1 mA/m) at 1.6 kHz	-	-	-	-	-	-
HFA MASL (1 mA/m)	-	-	-	-	-	-
HFA SPLITS (left/right)	-	-	-	-	-	-
RSETS (left/right)	-	-	-	-	-	-
Battery						
Battery voltage	1.3 V		1.3 V		1.3 V	
Battery current drain	1.3 mA	1.3 mA	1.3 mA	1.3 mA	1.3 mA	1.3 mA
Battery life (cell zinc air) Type 10	~ 55 h		~ 55 h		~ 55 h	
Battery life (rechargeable)	-		-		-	
IRIL IEC 60118-13:2016 Ed. 4.0						
700-960 MHz (rating)	user		user		user	
1400-2000 MHz (rating)	user		user		user	
2000-2700 MHz (rating)	user		user		user	
ANSI C63.19-2011						
800-950 MHz (rating)	M4		M4		M4	
1600-2500 MHz (rating)	M4		M4		M4	

Sterling 8C IIC · Technical Data

Type	113/50	
	2 ccm coupler	Ear simulator
Output sound pressure level		
OSPL 90 at 1.6 kHz	-	116 dB SPL
OSPL 90 (Peak)	113 dB SPL	123 dB SPL
HFA-OSPL 90	109 dB SPL	-
Gain		
FOG at 1.6 kHz	-	53 dB
FOG (peak)	50 dB	60 dB
HFA-FOG	46 dB	-
Reference test gain	32 dB	41 dB
Frequency, noise and directivity		
Frequency range 80 8C 60 8C / 40 8C	100-7900 Hz 100-7900 Hz	150-8900 Hz 150-8100 Hz
Equivalent input noise	21 dB SPL	21 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	2 / 2 / 2 / 1 %	3 / 4 / 3 / - %
Broadband tinnitus function	70 dB	-
AI-DI	-	
Inductive coil sensitivity		
MASL (1 mA/m) at 1.6 kHz	-	-
HFA MASL (1 mA/m)	-	-
HFA SPLITS (left/right)	-	-
RSETS (left/right)	-	-
Battery		
Battery voltage	1.3 V	
Battery current drain	1.3 mA	1.3 mA
Battery life (cell zinc air) Type 10	~ 55 h	
Battery life (rechargeable)	-	
IRIL IEC 60118-13:2016 Ed. 4.0		
700-960 MHz (rating)	user	
1400-2000 MHz (rating)	user	
2000-2700 MHz (rating)	user	
ANSI C63.19-2011		
800-950 MHz (rating)	M4	
1600-2500 MHz (rating)	M4	

Sterling 8C ITE / ITC · Features and Accessories

MyCore Platform	80 8C	60 8C	40 8C
Signal processing (channels) / Gain/MPO (handles)	48 / 20	32 / 16	24 / 12
Hearing programs	6	6	6
Direct Audio Streaming / Made for iPhone	○	○	○
My Voice ¹⁾	–	–	–
Wireless Sync ¹⁾	●	●	●
Volume and control coupling ¹⁾	●	●	●
MyCore Speech			
HD Bandwidth (up to 10 kHz)	●	–	–
iFocus 360 ¹⁾	Automatic	Manual	–
Focus 360	●	●	–
HD Directionality ^{1) 5)}	●	●	–
Stereo iLock ¹⁾	●	–	–
Directional iLock ¹⁾	Premium	Premium	Premium
Voice Ranger	●	●	●
XPhone ¹⁾	●	●	●
Multichannel Adaptive Directional Microphone ^{1) 5)}	●	●	●
Automatic Directional Microphone ^{1) 5)}	●	●	●
Fixed Directional Microphone	●	●	●
Bandwidth Compression	●	●	●
Intelligent Feedback Preventer	●	●	●
MyCore Sound Quality and Comfort			
Dynamic Extender	●	●	●
Auto Volume ²⁾	●	●	●
Microphone-pattern adjustment ^{1) 3)}	Premium	High	–
Reverb Reducer	●	–	–
Music Enhancer	Premium	High	–
iOmni	–	–	–
Sound Smoothing (settings)	3	3	on/off
Intelligent Wind Noise Cancellation ¹⁾	Premium	High	–
Wind Noise Cancellation	●	●	●
Noise Management	●	●	●
Tinnitus Sound Function ⁴⁾ (presets)	6	6	6
Tinnitus Notch Function ⁴⁾	●	●	●
MyCore Automatic Optimization			
Smart Automatic Equalizer	Premium	Premium	High
Smart Automatic Acclimatization	Premium	Premium	High
Automatic Classifier	●	●	●
Data Logging	●	●	●

¹⁾ Bilateral fitting required

²⁾ Streaming only

³⁾ requires Connexx Smart Direct App

⁴⁾ Availability is country-dependent

⁵⁾ Wireless required

● available ○ optional – not available

Performance levels: Premium High Standard

Sterling 8C CIC / IIC · Features and Accessories

MyCore Platform	80 8C	60 8C	40 8C
Signal processing (channels) / Gain/MPO (handles)	48 / 20	32 / 16	24 / 12
Hearing programs	6	6	6
Direct Audio Streaming / Made for iPhone	–	–	–
My Voice ¹⁾	–	–	–
Wireless Sync ¹⁾	●	●	●
Volume and control coupling ¹⁾	●	●	●
MyCore Speech			
HD Bandwidth (up to 10 kHz)	●	–	–
iFocus 360 ¹⁾	–	–	–
Focus 360	–	–	–
HD Directionality ^{1) 5)}	●	●	–
Stereo iLock ¹⁾	–	–	–
Directional iLock ¹⁾	–	–	–
Voice Ranger	●	●	●
XPhone ¹⁾	●	●	●
Multichannel Adaptive Directional Microphone ^{1) 5)}	●	●	●
Automatic Directional Microphone ^{1) 5)}	●	●	●
Fixed Directional Microphone	–	–	–
Bandwidth Compression	●	●	●
Intelligent Feedback Preventer	●	●	●
MyCore Sound Quality and Comfort			
Dynamic Extender	●	●	●
Auto Volume ²⁾	–	–	–
Microphone-pattern adjustment ^{1) 3)}	–	–	–
Reverb Reducer	●	–	–
Music Enhancer	Premium	High	–
iOmni	–	–	–
Sound Smoothing (settings)	3	3	on/off
Intelligent Wind Noise Cancellation ¹⁾	–	–	–
Wind Noise Cancellation	●	●	●
Noise Management	●	●	●
Tinnitus Sound Function ⁴⁾ (presets)	6	6	6
Tinnitus Notch Function ⁴⁾	●	●	●
MyCore Automatic Optimization			
Smart Automatic Equalizer	Premium	Premium	High
Smart Automatic Acclimatization	Premium	Premium	High
Automatic Classifier	●	●	●
Data Logging	●	●	●

¹⁾ Bilateral fitting required

²⁾ Streaming only

³⁾ requires Connexx Smart Direct App

⁴⁾ Availability is country-dependent

⁵⁾ Wireless required

● available ○ optional – not available

Performance levels: Premium High Standard

Sterling 8C · Features and Accessories

	ITE / ITC (with BT)	ITE / ITC (without BT)	CIC	IIC
Style specific features				
SecureTec protection	–	–	–	–
Telecoil	–	○	–	–
Charging contacts	–	–	–	–
Battery Size	312	312	10	10
Battery door on/off function	●	●	●	●
Nanocoated housing	–	–	–	–
Wireless programming	●	○	●	●
Instrument configurations				
Flat cover	–	–	–	–
Rotary volume control	–	○	–	–
Push button	●	○	○	–
Rocker switch	–	–	–	–
Color conversion kit	–	–	–	–
Battery door - integrated telecoil	–	–	–	–
Battery door - child lock	–	–	–	–
Small earhook	–	–	–	–
Programming accessories				
ConnexxAir / ConnexxLink	– / –	● / –	● / –	● / –
Noahlink Wireless	●	–	–	–
Programming adapter / cable	Flex connector	Flex connector	Flex connector	–
Accessories				
Connexx Smart Key	○	○	○	○
CROS inoX 8C ⁵⁾	–	○	○	○
CROS RIC 8C	○	–	–	–
CROS Li RIC 8C	–	–	–	–
Connexx Smart Transmitter 2,4	○	–	–	–
Connexx Smart Mic	○	–	–	–
Apps				
Connexx Smart Direct App	○	○	–	–
Connexx Smart Remote App	○	○	○	○

⁵⁾ Wireless required

● available ○ optional – not available

Sterling 8C

Abbreviations and Standards

Abbreviations

The following abbreviations are used in this datasheet:

OSPL	Output Sound Pressure Level
HFA	High Frequency Average
FOG	Full-On Gain
MASL	Magneto Acoustical Sensitivity Level
SPLITS	Coupler SPL for an Inductive Telephone Simulator
RSETS	Relative Equivalent Telephone Sensitivity
SPLIV	SPL In a Vertical magnetic field
AI-DI	Articulation Index - Directivity Index
IRIL	Input Related Interference Level
RTF	Reference Test Frequency

Standards

- ▶ All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2014 and IEC 60118-0:2015 if applicable.
- ▶ All measurements with an ear simulator were performed according to IEC 118-0/A1:1994 and to DIN 45605 (frequency range) if applicable.
- ▶ Curves and figures representing FOG are measured with 20 dB reduction and 70 dB SPL input level.
- ▶ Figures representing Equivalent Input Noise incorporate a moderate expansion.
- ▶ Inductive coil sensitivity values, inductive response curves and T ratings apply for instruments with telecoil battery door only.
- ▶ Tinnitus noiser measurement conditions: all tinnitus single frequency sliders in max position, master volume slider in default position (0 dB) and local volume control in default position.
- ▶ The current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing instruments supporting RF (radio frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- ▶ The battery life is based on first fit settings using 60% of the fitting range and an ISTS (International Speech Test Signal) input signal at 65 dB SPL (note: pairing established). The actual battery life is determined by battery quality, hearing loss, sound environment, usage and activated feature set.
- ▶ HD Bandwidth up to 10 kHz for 80 8C devices only.

Made for

 iPhone | iPad | iPod

“Made for iPod”, “Made for iPhone”, and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice.

The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

WARNING

Choking hazard posed by small parts.

- ▶ This instrument is not intended for the fitting of infants, children under 3 years or persons of mental incapacity.

WARNING

Instrument has an output sound pressure level of 132 dB SPL or more. Risk of impairing the residual hearing of the user.

- ▶ Take special care when fitting this instrument.