

Specification Guide

Captivate 40 | 20 miniRITE T R

Captivate is the next generation hearing instrument breakthrough on the Sonic SoundDNA platform. The miniRITE T R is a rechargeable hearing instrument with built-in Li-ion battery technology to provide a full day of use including streaming activity. It is a receiver-in-the-ear hearing instrument, suitable for mild to

profound hearing losses, with a telecoil and double push button. It is a Made for iPhone® hearing instrument and supports Bluetooth® Low Energy at 2.4 GHz. The miniRITE T R is available with the miniFit system, which includes four power levels and a wide variety of domes and custom molds.

60-SPEAKER



CV 40I20 MNR T R

85-SPEAKER



CV 40I20 MNR T R

100-SPEAKER



CV 40I20 MNR T R

105-SPEAKER



CV 40I20 MNR T R

Made for
 iPhone | iPad | iPod

USER SCENARIO

Light user = 24.7 hours of operation time ²⁾
 (with 0.5 h iPhone & 2 h TV) ¹⁾

Moderate user = 23.9 hours of operation time ²⁾
 (with 1 h iPhone & 3 h TV) ¹⁾

Heavy user = 22.1 hours of operation time ²⁾
 (with 1.5 h iPhone & 6 h TV) ¹⁾

HOURS OF OPERATION TIME

¹⁾ This is in addition to normal hearing instrument use without streaming.

²⁾ The operating time depends on the fitting level, the use of connectivity features, battery age and sound environment.

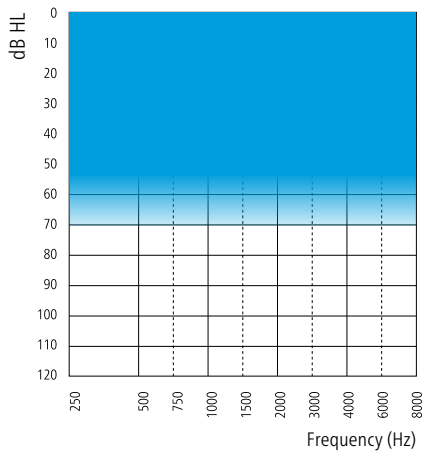
Captivate is a Made for iPhone® hearing aid, compatible with devices running iOS 9.3 or later. For information on compatibility, please visit www.sonici.global/compatibility.

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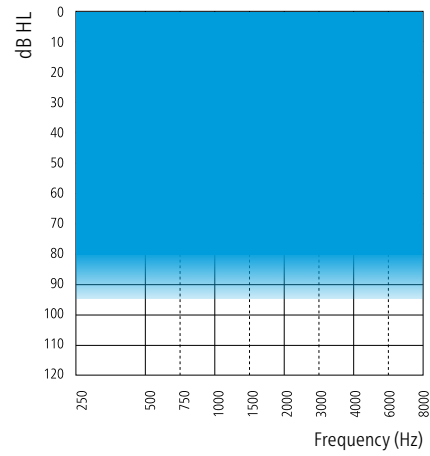
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Captivate miniRITE T R – Fitting Range

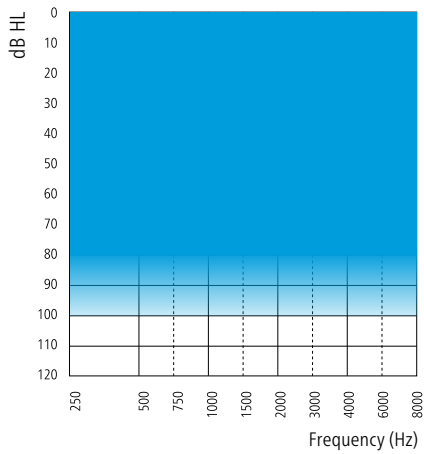
60-SPEAKER



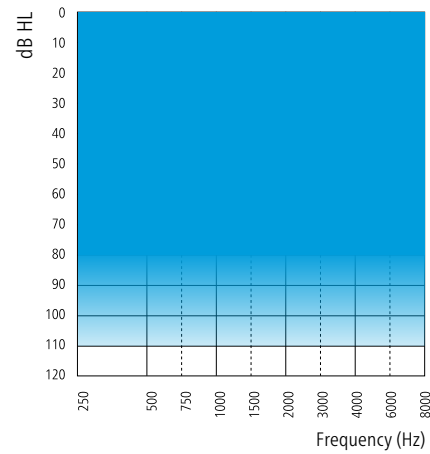
85-SPEAKER



100-SPEAKER



105-SPEAKER



Technical Features

- Double push button
- Telecoil
- miniFit speakers
- Hydrophobic coating
- IP68 rated
- 2.4 GHz Bluetooth® Low Energy
- NFMI (near-field magnetic induction)
- LED visual indicator

Accessories

- SoundLink 2 app (for iOS and Android™)
- RC-A (remote control)
- TV-A (TV adapter)
- SoundClip-A

	CAPTIVATE 40	CAPTIVATE 20
SOUND QUALITY		
Signal Processing	Speech Variable Processing	
Frequency Bandwidth	8 kHz	8 kHz
Phoneme Focus	●	●
Envelope Focus	●	●
Low Frequency Enhancement	●	●
Frequency Transfer	●	–
Adaptive Feedback Canceller Pro	●	●
NOISE MANAGEMENT		
SPiN Noise Reduction	●	●
Wind Noise Reduction	●	●
Soft Noise Reduction	●	●
Impulse Noise Reduction	●	–
DIRECTIONALITY		
SPiN Directionality	1 option: Low	1 option: Low
Fixed Directionality	●	●
Omni Directionality	●	●
BINAURAL COORDINATION		
Volume and Program Change	●	●
Non-Telephone Ear Control	●	●
PROGRAMMING OPTIONS		
Universal Program	●	●
Fitting Bands	10	8
Environments	10	10
Manual Listening Programs	4	4
Data Logging	●	●
Adaptation Manager	●	●
Tinnitus SoundSupport	●	●

Captivate 40|20 MNR T R can be programmed with EXPRESSfit® Pro 2020.1 or higher

Operating Conditions of miniRITE T R

- Temperature: +5°C to +40°C (+41°F to +104°F)
- Humidity: 5 % to 93 %, non-condensing

Storage and Transportation Conditions

Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage

Transport:

- Temperature: –20°C to +60°C (–4°F to +140°F)
- Relative humidity: 5% to 93%, non-condensing

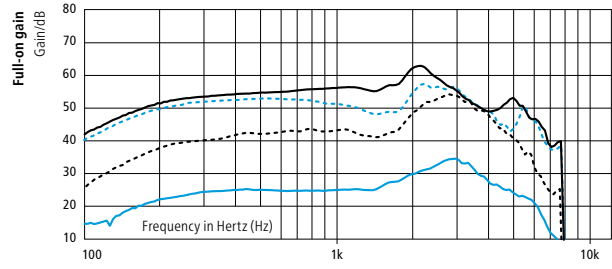
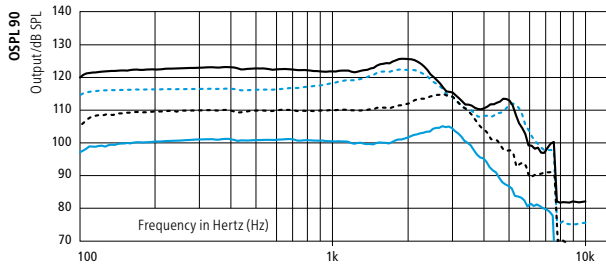
Storage:

- Temperature: –20°C to +30°C (–4°F to +86°F)
- Relative humidity: 5% to 93%, non-condensing

CAPTIVATE 40I20 miniRITE T R

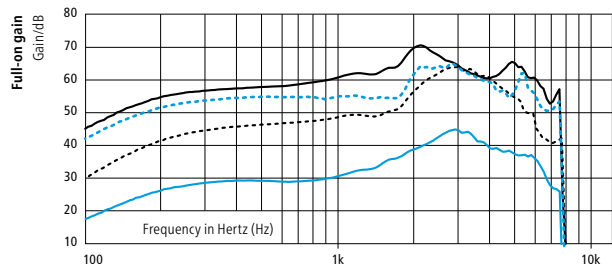
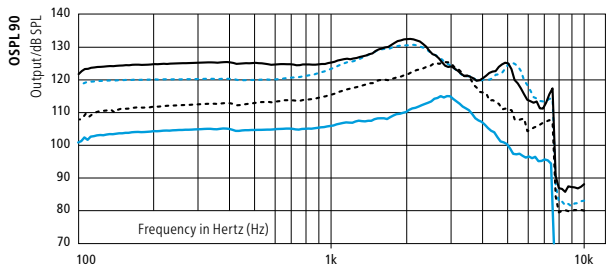
- 60-Speaker
- - - 85-Speaker
- · - · 100-Speaker
- 105-Speaker

2CC COUPLER



	60-SPEAKER	85-SPEAKER	100-SPEAKER	105-SPEAKER
OSPL90, Peak (dB SPL)	105	115	123	126
OSPL90, 1600 Hz (dB SPL)	100	111	122	124
OSPL90, HFA (dB SPL)	101	112	120	122
Full-on Gain, Peak (dB)	34	54	57	63
Full-on Gain, 1600 Hz (dB)	27	42	48	57
Full-on Gain, HFA (dB)	28	46	52	57
Reference Test Gain (dB)	24	34	43	45
Battery	Li-ion	Li-ion	Li-ion	Li-ion
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100-7500	100-6900	100-7500	100-6500
Equivalent Input Noise ¹⁾ (dB SPL)	18	19	18	16
Telecoil 1 mA/m 1000 Hz, IEC (dB SPL)	56	73	80	86
Telecoil HFA SPLITS (dB SPL)	75	83	91	95

EAR SIMULATOR



	60-SPEAKER	85-SPEAKER	100-SPEAKER	105-SPEAKER
OSPL90, Peak (dB SPL)	115	126	131	133*
OSPL90, 1600 Hz (dB SPL)	108	120	130	130
OSPL90, HFA (dB SPL)	109	120	127	128
Full-on Gain, Peak (dB)	45	64	66	70
Full-on Gain, 1600 Hz (dB)	36	51	53	63
Full-on Gain, HFA (dB)	36	54	57	64
Reference Test Gain (dB)	29	44	46	55
Battery	Li-ion	Li-ion	Li-ion	Li-ion
Distortion 500/800/1600 Hz (%)	<2/<2/<2	<2/<2/<2	<6/<2/<2	<2/<2/<3
Frequency Range (Hz)	100 - 7500	140 - 7500	100 - 7500	100 - 7500
Equivalent Input Noise ¹⁾ (dB SPL)	22	24	23	20
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	69	81	86	93

¹⁾ Technical data measured with expansion, corresponding to the test box measurement settings.

"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010. Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

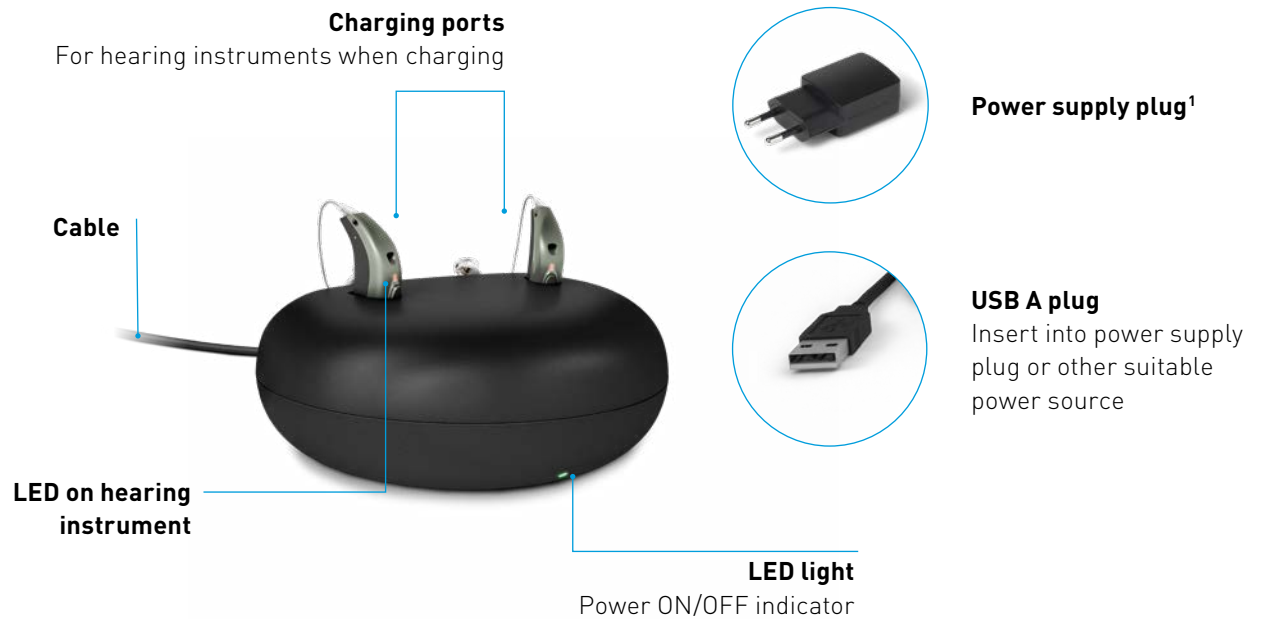
Full-on gain is measured with the gain control of the hearing instruments set to its full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.

* Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

Charger, miniRITE T R

The charger of the Captivate miniRITE T R uses inductive technology that allows contactless charging of the hearing instrument via induction coil. Furthermore, the magnetic connection in the charger prevents the hearing

instruments from falling out. When the hearing instruments are inserted into the charger, it automatically starts charging. The hearing instruments turn ON when they are removed from the charger.



Packaging set

- Travel pouch
- Instructions for Use
- Power supply plug

Charging time of lithium-ion battery

- 3 h = Fully charged
- 1 h = 50 % charged
- 30 min = 25 % charged
- 15 min = 1 h use including 15 min streaming

¹ Power plug will vary from country to country.

Charger, miniRITE T R – Technical Data

Charger, miniRITE T R

Designed for/compatibility	Captivate, miniRITE T R
Dimensions	Ø95 mm (Ø3.74 in) /total height of 39 mm (of 1.54 in)
Weight	140 grams (5 oz)
Color	Black
Power supply plug	USB A
Status indications	LED on charger indicates Charger ON/OFF status LED on hearing instrument indicates charging status
Charging time of hearing instruments	Max 3 hours depending on initial state of the battery (Temperature: +10 °C to +35 °C (+50°F to +95°F)) Max 4 hours depending on initial state of the battery (Temperature: +5 °C to +10 °C (+41°F to +50°F)) / +35 °C to +40 °C (+95°F to +104°F))
Power source	Supplied power supply unit
Input voltage	5 V DC
Input current	< 0.2 A (charging two hearing instruments) <10 mA stand-by (no hearing instruments inserted)
Cable	Fixed mounted cable / 150 cm (59 in)
Connected to external equipment	When connected to external equipment plugged into a wall outlet, this equipment must comply with IEC-62368 (or IEC-60065, IEC-60950 until June 20, 2019) or equivalent safety standards.

Conditions of use

Operating conditions	Temperature: +5 °C to +40 °C (+41°F to +104°F) Relative humidity: 15 % to 93 %, non-condensing
Storage and transportation conditions	Temperature: -25 °C to +70 °C (-13°F to +158°F) Relative humidity: 15 % to 93 %, non-condensing
Atmospheric pressure	700 hPa to 1060 hPa

Technical data: Power supply unit

Power supply unit	AN05x – 050A
Input voltage	100 – 240 V AC
Input current	0.2 A
Input frequency	50 – 60 Hz
Output voltage	5 V DC
Output current	1 A



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Waste from electronic
equipment must be
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