



## Bedrock® BTB65 TalkBox

### The ideal signal source for STIPA testing

In order to carry out STIPA measurements, of course you need a STIPA analyzer, such as the Bedrock SM50. But the only way to get reliable test results is if you also use an accurately calibrated signal source: the Bedrock BTB65 TalkBox. This device provides the STIPA signal and a variety of other acoustic test signals. When performing tests, it is simply placed in front of the tested system's microphone instead of a human talker. The BTB65 is designed for accuracy and reliability, but also for easy of use. The touch screen interface makes it easy to control, and various features (such as an integrated laser pointer to assist in alignment of the loudspeaker) make testing easy and simple.

#### What is Bedrock?

Bedrock is our innovative range of products for the pro audio engineer and acoustician. The Bedrock product range comprises acoustic measuring instruments (such as the SM50), but also devices for processing and controlling audio signals.

All Bedrock products are designed and manufactured in the Netherlands by Embedded Acoustics.

#### Why choose the BTB65?

The standards that define how STI tests need to be carried out require that a calibrated loudspeaker is used as a signal source. A very elaborate and strict set of specifications is imposed on the loudspeaker, and with reason. Calibrating the signal source is

crucial to the accuracy and success of any STI test. From a technical perspective, it is by far the hardest and most time-consuming step in setting up an STI test. Unless you use the Bedrock BTB65, in which case the device does all this work for you. It makes sure that the test signals are reproduced with the correct sound level and spectrum, and that the STIPA signal complies exactly with the standard.

The BTB65 is extremely easy to use. It features a simply and intuitive touch display, which lets you control all device features without having to go through complex multi-level device menus. All features can be seen at a glance, and controlled with a single touch.

If you need a calibrated electronic output signal instead of an

acoustic signal, you can use the balanced line out on the back of the device (in parallel with the loudspeaker, if you like). Or you can choose to use the TalkBox simply as a powered loudspeaker through its line input. The handy integrated laser pointer helps you to align the tested microphone with the loudspeaker axis in a matter of seconds.

#### Where to buy?

You can buy Bedrock equipment straight from the manufacturer through our online shop, or from any of our distributors. Please refer to our website for up-to-date information on product details and pricing. Our distributor list is also found on the Bedrock website:

[www.bedrock-audio.com](http://www.bedrock-audio.com)



## Product features

The Bedrock BTB65 TalkBox offers the following features:

- Playback of STIPA signals according to IEC-61268 rev. 4 and the draft specifications of IEC-61268 rev. 5 (expected to come into effect by 2017)
- Playback of noise signals (pink/white), e.g. for quick evaluation of frequency transfer functions.
- Playback of sine waves and sweeps.
- Spoken messages for announcing the beginning and end of test sessions (also to be used to obtain a subjective impression of speech quality) in 6 languages (US/UK/FR/SP/GE/DE), each in a male and a female voice.
- Full-colour 3.2" LCD touch screen
- Balanced XLR line output (calibrated in dBu)
- Line input (3.5mm jack), e.g. for audio input from a PC or smartphone.
- Integrated class 2 laser pointer
- Rubber feet on front and back (for forward facing as well as upward facing use)
- Powered from 12V through an external AC adapter (included) or an optional car power cable (not included)

## Technical specifications

Technical specifications of the BTB65 include:

- Effective frequency range 50 - 16,000 Hz
- Acoustic output level at 1 meter distance (vocal effort) adjustable in 1 dB steps between 54 and 72 dB.
- Line output adjustable in 1 dB steps between -24 and 0 dBu.
- Noise and STIPA signals conform to target spectra within 1 dB (measured at 1/3 octave resolution).

## Pricing

The manufacturer suggested retail price is €849,-. Contact your local distributor for up-to-date pricing details.



Bedrock is a Registered Trademark of Embedded Acoustics BV. For more information on Bedrock products, please refer to our websites:

[www.bedrock-audio.com](http://www.bedrock-audio.com)  
[www.embeddedacoustics.com](http://www.embeddedacoustics.com)

For information on product pricing, finding local distributors or placing orders:

[sales@embeddedacoustics.com](mailto:sales@embeddedacoustics.com)  
T: +31 88 8770700

For technical questions regarding our Bedrock product line:

[support@embeddedacoustics.com](mailto:support@embeddedacoustics.com)  
T: +31 88 8770700

Embedded Acoustics BV  
Ampèreweg 18  
2627 BG Delft  
The Netherlands

*Embedded Acoustics is committed to sparking innovation in the fields of acoustics, speech and hearing. Our mission is to translate scientific knowledge and high-tech engineering into working, real life products and services. We're not just talk - get in touch and find out what we are all about: expertise, experience and a practical mindset.*

