



PROFESSIONAL
PRODUCTS GROUP

BBG (Big Bar Graph)

Your hi-resolution audio metering solution

Professional quality metering in an unrivalled flexible, cost effective, compact and convenient package.





The BBG (Big Bar Graph) from TSL is a high quality audio meter designed for use in applications where convenient, hi-resolution audio level measurement is required.

If your audio equipment lacks accurate metering then your ability to do your job is compromised. The BBG-1 from TSL gives you professional quality metering in a cost effective, compact and convenient package. With a choice of international scales, AES and analogue audio inputs and 12v DC power, a BBG-1 is a 'must have' addition to your audio setup.

Featuring a revolutionary menu concept, choice of inputs and interchangeable scales, TSL's BBG-1 offers unrivalled flexibility in a compact and rugged package. Whatever the scale or ballistic settings, the BBG-1 can be tailored to suit any application. Additionally, the unique power save feature, phase meter and user selectable ITU-R BS.1770-1 loudness indication makes the BBG-1 an ideal choice for a huge variety of TV, radio, post production and pro audio applications.

The BBG-1 can operate as a standalone bargraph display, it can be rackmounted or installed on a desktop using a range of available mounting accessories.

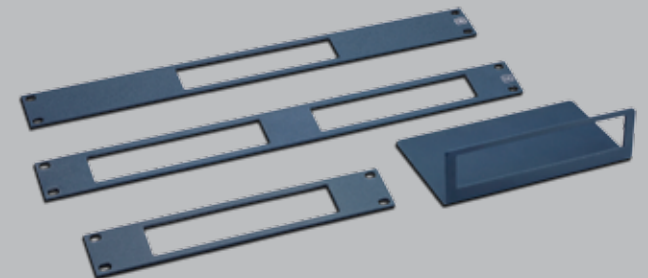
Benefits of using the BBG-1


- Standalone hi-resolution 106 segment audio metering with a range of practical rack mount and desktop cases
- Robustly engineered for the most demanding of environments
- Intuitive front panel micro switch system for configuration of ballistics, scales, peak hold, loudness indication and input selection
- Power save feature enables BBG-1 display to be set to BAR or DOT mode, reducing current consumption from power supply or batteries

- Digital text readout displaying peak audio in dBs
- Phase indication
- AES and analogue inputs
- ITU-R BS.1770-1 loudness indication
- Vertical scales available

The BBG is available with a choice of mounting panels or as a standalone unit, making this a perfect fit for a range of broadcast applications including; post production, TV and radio production control rooms, ENG kit and the freelance sound recordist's trolley.

TSL Professional Products specialise in Audio Monitoring, Power Management, TallyMan systems and Custom Devices – thousands of which are in operation all over the world. For further information on our product range and expertise, visit www.tsl.co.uk or call +44 (0)1628 676200.





The BBG-1 from TSL gives you professional quality metering in a cost effective, compact and convenient package.

Featuring a revolutionary menu concept, choice of inputs and interchangeable scales, TSL's BBG-1 offers unrivalled flexibility in a compact and rugged package. Whatever the scale or ballistic settings, the BBG-1 can be tailored to suit any application.



Features

- Dual hi-resolution 106 segment tri-colour bargraph displays
- User-selectable alpha-numeric indication of level, accurate to within 0.1dB
- Scales available: UK PPM, EBU PPM, VU, Nordic, DIN, EBU Digital
- Selectable bargraph loudness indication
- Balanced AES and analogue audio inputs
- Precision ballistics with peak hold, 0dB marker and dot/bar display
- Power save mode; selected by choosing DOT in the menu, power consumption drops from 6 watts to 2.5 watts with full brightness, dropping even more when brightness level is reduced
- Phase correlation bargraph
- 12v DC input
- AC mains adaptor included, auto-selecting 110v-240v

Audio inputs

- Balanced AES (XLR)
- Balanced stereo analogue (XLR)



The question of loudness was originally drafted in September 2000 by an ITU Radio Communication study group (WP6P).

The idea being that modern knowledge of psychoacoustics would allow proponents of a standard to produce a sophisticated model of human hearing that could be implemented in digital signal processing circuitry, and would accurately indicate the perceived loudness of an audio signal.

Initial work focused on selecting one basic monophonic measurement algorithm that could be the basis of future loudness metering. With a basic algorithm in hand, work would then turn to considerations of how to apply the algorithm in actual metering devices, and also how to measure loudness of stereo and multi-channel audio program material.

In 2003, subjective testing was performed on a number of loudness measurement algorithms, which were submitted by a number of major international broadcasters.

After exhaustive analysis and testing by a designated member of Dolby (the Rapporteur) and members of an informal group called SRG3, the working party WP6P (working closely with an AES standards group) analysed and reported on progress until the ITU-R BS. 1770-1 algorithm was arrived at in 2006 (with small amendments in 2007) as the most suitable.



Global reseller network

TSL Professional Products Group has a network of distributors supporting our products all over the world. For further details about our product range and where to buy please visit www.tsl.co.uk/products

TSL Sales: +44 (0)1628 676 221 E-mail: sales@tsl.co.uk Web: www.tsl.co.uk

TSL Professional Products Group, Vanwall Road Business Park, Vanwall Road, Maidenhead, Berks SL6 4UB, United Kingdom
Tel: +44 (0)1628 676 200 Fax: +44 (0)1628 676 299 E-mail: sales@tsl.co.uk

Dubai Office: TSL Middle East, Dubai Studio City, Dubai, U.A.E.

Specifications subject to change without notice. © 2009 TSL Professional Products Group. All rights reserved.
ALL TSL monitoring products are fully compliant with RoHS and WEEE regulations.

