

GRAS 12BB

4-Channel CCP Power Module with TEDS Support



Microphone power: CCP
Channel(s): 4
TEDS via USB

12BB is a 4-channel CCP power module. It has TEDS support and is powered by USB.

The GRAS 12BB is a four-channel USB-powered CCP power module with TEDS support.

It provides power to four microphone sets without signal degradation, gain modification, or attenuation.

It is intended as a simple and cost-effective interface between TEDS-enabled measurement microphones and any [Audio Precision APx series analyzer](#), which will automatically extract TEDS data for seamless integration.

However, it can also be used with other brands. In this case, a utility program provides access to TEDS data on a PC. It can be downloaded [here](#).

Power for the 12BB is provided through a USB cable using a USB 2.0 or USB 3.0 port and a USB-C port on the power module.

A single-channel version is available, the 12BA.

Type		Constant Current Power (CCP)
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USB Interface

Interface		Type A Peripheral Interface
Version		USB C/USB 2.0
Power		USB +5 V, 500 mA max

Microphone Channel

Channel(s)		4 x BNC
Max input voltage (limited by 24 V microphone power)	V_{peak}	24
Power	mA	4
Coupling		AC, 10 Hz high-pass filter

General

Bandwidth	Hz	10 to 20 (± 0.06 dB) 20 to 200 k (± 0.03 dB)
Noise, input shorted, 10 Hz to 20 kHz	μV RMS	< 2.0
Temperature range, operation	$^{\circ}C$ / F	0 to +45 / 32 to 113
Temperature range, storage	$^{\circ}C$ / F	-40 to +75 / -40 to 167
Humidity	Up to 40 $^{\circ}C$ /104 F	90%, non-condensing
EMC		EN 61326-1: 2013 Class B
Safety		UL/EN/IEC 62368-1, Second Edition
Dimensions, width x height x depth	mm inches	108 x 44.2 x 193.8 4.25 x 1.74 x 7.63
Weight	g/oz	510/18

Included

GRAS 12BB	CCP Power Module with USB Connection
	USB Cable

Optional

GRAS AA0033	BNC-BNC cable, 1 meter
GRAS AA0034	BNC-BNC cable, 2 meters
GRAS AA0035	BNC-BNC cable, 3 meters

GRAS Worldwide

Subsidiaries and distributors in more
than 40 countries

HEAD OFFICE, DENMARK
GRAS SOUND & VIBRATION
Skovlytoften 33
2840 Holte
Denmark
Tel: +45 4566 4046
www.grasacoustics.com
gras@grasacoustics.com

USA
GRAS SOUND & VIBRATION
5750 S.W. Arctic Drive
Beaverton, OR 97005
Tel: 503-627-0832
Toll Free: 800-231-7350
www.grasacoustics.com
sales-usa@grasacoustics.com

UK
GRAS SOUND & VIBRATION
Unit 115, Gibson House,
Ermine Business Park, Huntingdon,
Cambridgeshire, PE29 6XU
Tel: +44 (0) 7762 584 202
www.grasacoustics.com
sales-uk@grasacoustics.com

CHINA
GRAS SOUND & VIBRATION
Room 303, Building T6
Hongqiaohui, 990, Shenchang Road
Minhang District, Shanghai
China. 201106
Tel: +86 21 64203370
www.gras.com.cn
cnsales@grasacoustics.com



About GRAS Sound & Vibration

GRAS is a worldwide leader in the sound and vibration industry. We develop and manufacture state-of-the-art measurement microphones and related equipment for industries where acoustic measuring accuracy and repeatability are of the utmost importance. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, consumer electronics and other highly demanding industries. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect, trust and require.

GRAS Sound & Vibration is represented through subsidiaries and distributors in more than 40 countries and is part of Axiometrix Solutions, a leading test solutions provider comprised of globally recognized measurement brands. Read more at www.grasacoustics.com

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