NAGRA

ARES-BB+ Order # 70 19616 000

Digital journalist's recorder

Features

Solid state recording on PCMCIA memory cards	USB communication port
FAT 16/32 card formats	Large LCD display
Mono or stereo PCM linear	Internal loudspeaker
Optional MPEG compression	+48 v Phantom powering
Optional internal editor	Self-contained
Palm-sized	Lightweight
One-handed operation	Reliable
Battery powered (> 10 hours)	

Applications

The ARES-BB+ is designed as a compact, high quality, solid-state easy-to-use portable digital audio recorder. Its recording media is PCMCIA of Compact Flash cards (Capacity unlimited), for the recording of PCM Mono or Stereo audio. Optional MPEG compression allows for longer recording times.
The unit can be powered by 6 "AA" (LR6) batteries, rechargeable "AA" cells or an optional lithium-ion battery pack, offering in excess of 15 hours operation. Especially suited to table-top applications thanks to it's tilting keyboard. It can also be shoulder-hung in a carrying case for on-the-move recordings.

The ARES-BB+ can operate with any standard dynamic microphone, and +48V powering is also provided allowing the use of any commercially available condenser microphones.

The ARES-BB+ offers instant start-up, one button recording, "takes" directory, large back-lit display, powerful vortex filter, automatic level control and internal loudspeaker. Optional internal software authorizations allow the machine to record MPEG compressed audio, to emulate a Digigram PCX sound card via USB and do internal audio editing in the field.
A large choice of accessories are available, such as power supply, carrying cases, cables etc to meet specific requirements.

Compatibility

The ARES-BB+ offers a USB port. Through this connection, the internal PCMCIA card appears on the "desktop" as n external drive of the PC / MAC. Naturally the card can be removed from the machine and directly inserted into the workstation if required. The FAT 16/32 file system has many advantages over the previous LFS system, meaning that individual takes can be removed at any time and MARKERS can be added to recordings during both record and playback.

PCMCIA CARDS

The ARES-BB+ works with ATA PCMCIA cards, Strata Flash cards, compact flash cards and Micro drives (The last two require card adapters). Using a PCMCIA memory / compact Flash card to record PCM linear audio or MPEG compressed (optional) for longer recordings.

Specifications

General
Data storage medium	PCMCIA cards, Flash or ATA (type I and II)
Compression type	MPEG 1 Layer II
File Format	16 or 24 bit selectable
A/D and D/A conversion	20 bit Sigma-Delta
Sampling rate	16 - 48 kHz
Bit rate	64, 128 and 192 kbit/s 256 kbit/s 384 kbits/s and linear
Mono / Stereo	Switchable in menu
Recording capacity	More than 4 hours on a 256 MB card at 128 kbit/s
Dynamic range adjust	40 dB manual or automatic
Filters	Low cut filter (LFA2) or flat

Inputs
Mic inputs	3 pole XLR connectors
Mic powering	+ 48V Phantom
Sensitivity	From 0.2 mV to 4 mV/hPa
Line input	Balanced, transformerless
Line input sensitivity	0.44 V to 4.4 V for 0 dB recording

Outputs
Headphone	Stereo with level adjustment
THD at 1 kHz	0.1 %
Frequency response	30 – 20 kHz (-3 dB in EE mode)
Total dynamic range	80 dB

Power supply
Batteries	6 x "AA" cells
Rechargable	Lithium Ion pack
DC Input	DC plug 9V / 5W

Physical
Dimensions	188 x 170 x 57 mm, (7½ x 7 x 2¼ inch)
Weight	900 g, (2 lb)

Optional accessories

External accessories

2019615150		ARES-BB+ printed user manual English edition
2019615151		ARES-BB+ printed user manual French edition
7019640000	NB-BB	Battery box for ARES-BB+ houses 6 "AA" cells (not included)
7019642000	NB-LIB	Lithium Ion battery box for ARES-BB+ including Lithium pack and charger circuit (without power supply)
2019627000	NB-PSU	AC Power supply, 100-240V~,47-63Hz, 12Vdc/800mA, World for ARES-BB+
2019624000		Universal Mains socket adapter
7019644000	NB-UXC	Universal external charger for NB-BB / NB-LIB
2099186000	NB-SCC	Soft carrying case for ARES-BB+
2099187000	NB-SCC2	Soft carrying case WITH pocket for ARES-BB+
7019670000	NP-PCA	RS232 Adapter for serial PC connection (software download)

Software options

7019672000	NP-MPEG	Software option for MPEG compression algorithms
7019673000	NP-RCX	Software option for DIGIGRAM RCX Emulation (Requires NP-MPEG option also)
7019674000	NP-EDIT	Software option for internal audio editor

Compact Flash cards

2097170000	C-ADAPT	Compact flash card adapter ATA
2097171000	C-ATA-64	Compact Flash ATA card 64 MB
2097173000	C-ATA-128	Compact Flash ATA card 128 MB
2097175000	C-ATA-256	Compact Flash ATA card 256 MB
2097176000	C-ATA-512	Compact Flash ATA card 512 MB
2097178000	C-ATA-1G	Compact Flash ATA card 1 GB
2097180000	C-ATA-2G	Compact Flash ATA card 2 GB

Cables

70 19665 000	CP-MICM	Mic input cable, DIN 12 pin / one XLR F (1.5m, 5 ft)
70 19666 000	CP-MICS	Mic input cable, DIN 12 pin / two XLR F (1.5 m, 5 ft)
70 19667 000	CP-LINI	Line input cable, DIN 12 pin / two XLR F (1.5 m, 5 ft)
20 19669 000	CP-USB	USB cable

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