

4PRO 8003-AS

ACTIVE SUBWOOFER



4PRO 8003-AS active subwoofer integrates an high current 1000 Watt digital amplifier, a complete electronic processor section and premium RCF low distortion, high power woofer. The result is a compact, lightweight, high power subwoofer, unique in his class for extended output and low distortion. This new high power 18" inch woofer is the result of the latest refinement in years of RCF experience in compact active subwoofer design and manufacture, providing a fast and controlled reproduction of the bass frequency range. Featuring a 4" inside/outside voice coil to minimize power compression and extend the life of this product.

4PRO 8003-AS is equipped with a new generation of 1000 Watt Digital Amplifier that produce a very high output, an extremely low distortion and an incredible natural sound. The amplifier features a solid mechanical aluminium structure which not only stabilize the amplifier during transportation but also assist in the heat dissipation.

The input section offers mono/stereo combo XLR/Jack input connectors and XLR high pass output connectors. A recessed master volume, the phase switch and the selectable crossover frequency switch guarantee the best versatility. The processor section includes active system equalization, limiter and protection functions. The system is visually monitored from 4 status LEDs. The Baltic birch plywood enclosure is painted with black, heavy duty, textured epoxy. The front is protected from a strong, powder coated, metal grille. The cabinet features a 35 mm pole mount socket and two comfortable recessed side handles.

APPLICATIONS

- Live sound reinforcement
- Portable and installed audio-visual systems
- Live theatre and houses of worship
- Auditoriums, retail, ballrooms and night clubs

FEATURES

- High current 1000 watt digital amplifier
- 134 dB max spl
- 18" High power woofer, 4" voice coil
- Xover 80-120 Hz switch, phase switch
- Electronic equalization, limiter and protection
- Mono/stereo combo xlr/jack input, Mono/stereo xlr signal output
- Baltic birch compact enclosure and 2 side handles for easy transportation
- PFC power factor correction

ACOUSTICAL SPECIFICATIONS

Frequency response:	40 Hz - xover p.
Max SPL:	134 dB
Horizontal coverage angle:	-
Vertical coverage angle:	-
Compression driver:	-
Midrange:	-
Woofer:	18" , 100 mm voice coil

INPUT SECTION

Input connector:	stereo c. xlr-jack
Output connector:	stereo xlr
Input sensitivity:	-2 dBu / +4 dBu

PROCESSOR SECTION

Crossover frequencies:	80 - 1200 Hz
Protections:	thermal, rms
Limiter:	dynamic limiter
Controls:	volume, xover, phase

AMPLIFIER

Power supply:	1000 Watt
High frequencies:	-
Mid frequencies:	-
Low frequencies:	1000 Watt
Cooling:	convection/forced
Connection:	powercon

PHYSICAL

Height:	700 mm (27.55")
Width:	520 mm (20.47")
Depth:	700 mm (27.55")
Weight:	49 kg (108 lbs)
Cabinet:	baltic birch
Hardware:	-
Handles:	2 on side
Pole mount cap	yes
Colour:	Black

CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS
(ALSO KNOWN AS "A&E SPECIFICATIONS")

The following are "Part 2 Products" CSI-type specifications.
It is assumed that "Part 1 General – Administrative and Procedures" and "Part 3 Execution – Installation and Maintenance" are part of an overall audio system or project specification.

PART 2 PRODUCTS

2.01 Approved Manufacturer/Product

- A. RCF, Via Raffaello 13, 42124, Reggio Emilia, Italy.
- B. Model number: 4PRO 8003-AS

2.02 Design

Configuration:	Active subwoofer
LF Sub-section:	18" woofer, 100 mm voice coil
MR Sub-section:	-
HF Sub-section:	-

2.03 Acoustical Proprieties

Nominal dispersion angle:	-
Axial frequency range:	40Hz-xover p.

2.04 Physical Properties

Cabinet:	Baltic birch
Rigging inserts:	-
Color:	Black
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	Stereo c. xlr-jack
Dimensions (H x W x D):	700 x 520 x 700 mm (27.55" x 20.47" x 27.55")
Weight:	49 kg (108 lbs.)

2.05 Accessories

AC PRO-PM	Steel pole mount accessory for a satellite speaker on a subwoofer, tube diametro 35 mm. Load capacity up to 35Kg, Weight 2.4 Kg, H MIN/MAX 95cm/137cm
AC PRO-LF	Steel professional adapter sleeve for loudspeaker floor stand, tube diametro 35 mm. Load capacity up to 50Kg, Weight 0.7 Kg, H 27.5 cm
AC PMA	Speaker pole mount
AC WK-FX	Kit N° 4 fixed castor 80mm / 3" dia black wheel with roller bearings. Carrying weight per wheel 60Kg / 130lb
AC WK-SW	Kit N° 4 swivel castor 80mm / 3" dia black wheel with roller bearings. Carrying weight per wheel 60Kg / 130lb

the rules of sound

