





World Premiere of the world's first all magnesium alloy body 『Accurate A-110S II』 & 『Accurate A-50A』

At the 42nd Tokyo Motor Show 2011, Bewith Enterprise Japan, Ltd. (hereinafter "BEWITH") announces the launch of its world's first all magnesium alloy body monaural amplifier "Accurate A-110S II" and regulator "Accurate A-50A" (scheduled to be available in coming spring), and also announces the launch of its high-end all cone speaker system "Confidence II", "Confidence II Sunrise" which were announced at the Top Audio Video Show 2011 in Milano, Italy.

BEWITH will exhibit the Mercedes-Benz SLR McLaren Roadster in which our products are specially installed as a reference vehicle, and the Peugeot 308CC as a trial listening vehicle.



- Vehicles on exhibit** Mercedes-Benz SLR McLaren Roadster (Reference vehicle)
PEUGEOT 308CC (Trial listening vehicle)

- Products on exhibit**
- | | |
|---|---|
| Accurate A-110S II : Monaural Power Amplifier |  |
| Accurate A-50A : Audio Regulator |  |
| Confidence II Sunrise : Speaker Unit |  |
| Confidence II : Speaker Unit |  |

- Reference exhibit**
- Mirror Station AZ-1 CC : Digital Processor D/A Converter
H-1 Sunrise : Monitor Speaker
C-180II Sunrise : 18cm Subwoofer
C-180II : 18cm Subwoofer

- [Contact information]** E-mail: tms2011@bewith.jp



□ Summary of the products on exhibit



Accurate A-110S II

Monaural Power Amplifier

The world's first all magnesium alloy body monaural amplifier.

Magnesium alloy is one of the lightest, most rigid, high vibrational absorptive materials known. It also has high electromagnetic shielding tendencies and is a highly recyclable material. This is the first time in the industry that all chassis, side-plates, and bottom plate have been manufactured using magnesium alloy. We achieved decrease of 72% in volume and of 82% in weight of that of our existing equal power amplifiers by adopting this material.

The SiC diode has an excellent transient response. It ensures a stable power supply and a much faster response than ever before. The overwhelming high speed switching is accomplished by reducing reverse recovery time to 1/3 and reverse recovery current to 1/4 of that of the silicon diode(Si-SBD).

With innovative ideas and experience employing cutting edge materials, the latest technology and ultra precise manufacturing, BEWITH and NewJRC have managed to improve the quality of the 1st project the "BS01" and "BS02".



- The world's first all magnesium alloy body.
- Specially developed SiC diode "BD01" with New JRC for audio use.
- The industry's first PC95 material toroidal core.
- The industry's best operational amplifier "BS04" was jointly-developed with New JRC.
- Copper foil film capacitor
- Weight : 620g (1/5 of our A-110S)



Accurate A-50A

Parallelizable Audio Regulator

The world's first all magnesium alloy body audio regulator.

Over 90% efficiency and low heat generation are achieved by the advanced new circuit design and newly developed coil. 20 parallel Large-capacitance capacitors in 2nd stage circuit eliminate noise and delivers stable and pure voltage instantaneously.



- The world's first All magnesium alloy body.
- Weight : 650g (1/5 of our A-100A)



Summary of the products
on exhibit



Confidence II Sunrise Speaker Unit



Confidence II Speaker Unit

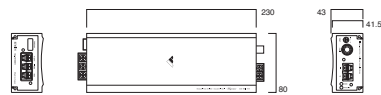


This is the Japanese premiere of the high-end all cone speaker system "Confidence II" and "Confidence II Sunrise", which were premiered from September 15 to 18 at the Top Audio Video Show 2011 in Milano, Italy.

It has been 10 years since the world's first eccentric cone speaker system "Confidence" was released in 2002. This is the grand sum of the Confidence series for BEWITH's 10th anniversary. "Bianco Fuji" color model.

Having set an unsurpassed standard of excellence and innovation in the car audio industry for the past 10 years, we have now set a new theme "Emotional Sound with Passionate Design".

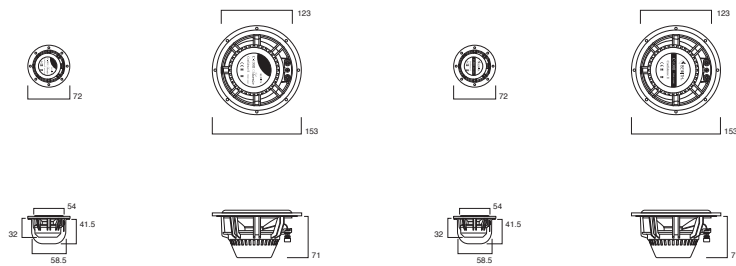
Specification

Accurate A-110S II


Power Source	14.4V DC (11.0-15.0V allowable)
Continuous Power Output	100W x 1ch (14.4V:4Ω:20 - 20,000Hz:0.03%THD)
Frequency Response	10 - 40,000Hz(-1dB)
Signal to Noise Ratio	99dB
Load Impedance	4Ω
Damping Factor	450 (4Ω:100Hz)
Input Level	0.2 - 6.0V
Fuse	10A x 1
Size	W251 x D80 x H43 mm
Weight	620g

Accurate A-50A

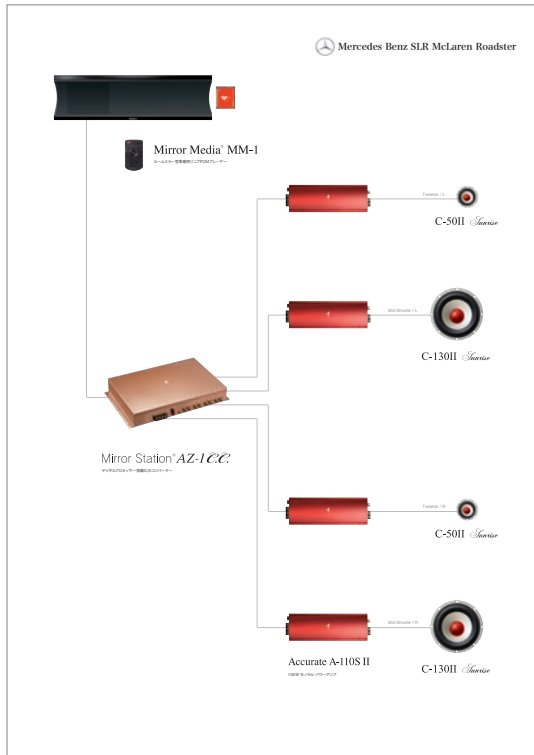

Input Voltage	11.0 - 14.4V
Adjustable Voltage	Input voltage - 15.0V
Maximum Output Power	600W
Fuse	25 A x 2
Size	W258 x D80 x H43mm
Weight	650g

C-50II Sunrise
C-130II Sunrise
C-50II
C-130II


Frequency Response	390Hz ~ 28kHz*	40Hz ~ 11kHz**	390Hz ~ 28kHz*	40Hz ~ 11kHz**
Power Handling	15 ~ 50W	15 ~ 120W	15 ~ 50W	15 ~ 120W
Impedance	4Ω	4Ω	4Ω	4Ω
Sensitivity	92dB/wm	92dB/wm	92dB/wm	92dB/wm
Magnet Weight	38g	108g	38g	108g
Magnet	Neodymium	Neodymium	Neodymium	Neodymium
Weight (1 piece)	0.16kg	0.85kg	0.16kg	0.85kg

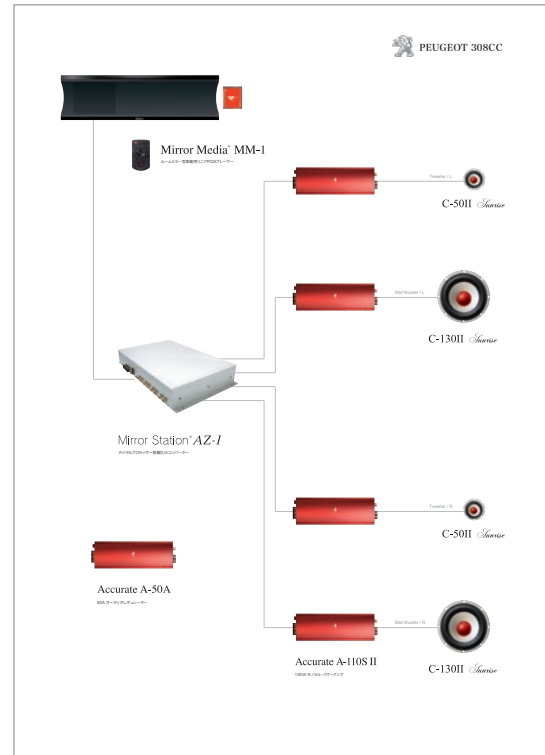
*Measurement using an inducted enclosure

**Measurement using a ported enclosure



Mercedes Benz SLR McLaren Roadster system

HEAD UNIT	Mirror Media MM-1
DIGITAL PROCESSOR	Mirror Station AZ-1 C.C.
POWER AMPLIFIER	Accurate A-110S II
SPEAKER UNIT	C-50 II Sunrise / C-130 II Sunrise



PEUGEOT 308CC system

HEAD UNIT	Mirror Media MM-1
DIGITAL PROCESSOR	Mirror Station AZ-1
POWER AMPLIFIER	Accurate A-110S II
SPEAKER UNIT	C-50 II Sunrise / C-130 II Sunrise
AUDIO REGULATOR	Accurate A-50A



