Supplementary New Product Information (SNPI)

A-R650 MKII
Integrated Stereo Amplifier

A high-powered Integrated Amplifier employing sophisticated differential input discrete amplifier circuitry.

**Main Features**
- 120W + 120W Output Power at 4 ohms
- FET differential input three-stage pure complementary discrete power amplifier
- 7 Audio Inputs including Phono Input
- Built-in Phono-equalizer Amplifier (MM Type)
- Mic Input with Mic Mixing
- Two Selectable Speaker Channels (Speaker A and B)
- TAPE2 Monitor
- Balance Control, Tone Control (Bass, Treble), Loudness
- Source Direct
- Headphone Out

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This document contains pre-release contents. Please do not publish before the mentioned publication date. In addition, the contents are under development and may be changed prior to publication. Regarding the contents that will be published, be sure to acquire information from published sources such as our homepage, press releases, and introductions for new products.
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The A-R650 MKII amplifier provides up to 2 x 120W of output power and can be used with speakers of between 4Ω and 16Ω impedance. That makes it the perfect amplifier choice, regardless of whether it’s to be used with bookshelf monitor speakers or large floorstanding speakers. Because the amplifier is equipped with two pairs of speaker outputs you can also enjoy simultaneous sound in separate rooms.

Further features include an adjustable microphone input and a headphone output. A Phono input with built-in Phono equalizer amplifier is another attractive feature for traditional audiophiles. A system remote control unit that’s able to control the CD-P650 CD Player and any UR-tagged TEAC components also comes as standard. TAPE2 Monitor delivers monitor sound from the TAPE2 input to the speakers, regardless of the input source.

A high-performance Stereo Integrated Amplifier

- **Differential Input Discrete Pre-amplifier Circuit**
  A discrete circuit design is employed for pre-amplifier section, to deliver a detailed yet abundantly musical quality. Your room will be filled with natural and powerful sound...

- **FET Differential Input 3-stage Pure Complimental Discrete Power Amplifier Circuit**
  The power amplifier section employs a Differential Input 3-stage Pure Complimental Discrete circuit with FET (Field Effect Transistor). The circuit design has an optimised layout to minimize interference and signal loss as it travels through the circuit board.

- **Mic input with mixing function**
  A mic input on the front panel allows users to stage Karaoke sessions by mix singing voices from a mic input with music from a selected input source. The A-R650 MKII also helps users to record their Karaoke performances by sending the blended sound out to an external recording device such as AD-RW900 or CD-RW890.

- **Auxiliary AC Output**
  The A-R650 MKII also features a switched auxiliary AC output on rear panel (up to 100w), so users can connect a CD Player or component, minimising the number of plugs required.

Features at-a-glance

- 120W + 120W Output Power
- Differential input discrete amplifier
- FET differential input three-stage pure complementary discrete power amplifier
- Microphone input jack with Mic Mixing capability
- Two selectable speaker channels (Speakers A and B)
- Built-in phono-equaliser amplifier (MM type)
- Interconnection with iPod-compatible CD-P650 CD player
- Remote-controllable motor-driven volume control
- Balance, Tone Control (Bass, Treble), Loudness
- Source Direct
- TAPE2 Monitor
- Auxiliary AC Power Outlet (Switched, Max 100W)
- Gold-plated RCA terminals on Rear Panel
- Headphone Jack
- Complies with RoHS

Specifications

<table>
<thead>
<tr>
<th>Amplifier section</th>
<th>120W + 120W (4 ohms, 1kHz, T.H.D. 0.5%), 90W + 90W (8 ohms, 1kHz, T.H.D. 0.5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Harmonic Distortion</td>
<td>0.02% (8 ohms, 1kHz, 45W)</td>
</tr>
</tbody>
</table>

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Supported Speaker Impedance
- Speaker A or B: 4 to 16 ohms
- Speaker A + B: 8 to 16 ohms

Frequency Response
- Overall: 10Hz to 65kHz
- Phono: 20Hz to 20kHz (±1dB RIAA)
- Line: 5Hz to 80kHz (Source Direct, 1W)

Signal-to-Noise Ratio (Input Short)
- Phono: 65dB
- Line: 90dB

Tone Control
- BASS: ±10dB (100Hz)
- TREBLE: ±10dB (10kHz)
- Muting: –20dB

Audio Inputs/Outputs

Audio Inputs
- Line: x 6 (RCA, Gold-plated)
  - Input Level: 180mV
  - Impedance: 47k ohms
- Phono: x 1 (RCA, Gold-plated)
  - Input Level: 2.8mV
  - Impedance: 47k ohms

Audio Outputs
- Line: x 2 (RCA, Gold-plated)
  - Output Level (TAPE/CD-R): 150mV
  - Impedance (TAPE/CD-R): 3.3k ohms
- Mic Input: 6.3mm Monaural Jack
- Headphone Out: 6.3mm Stereo Jack
- Speaker Terminals: A, B (Binding-post)

General
- Auxiliary Power Outlet: Euro Socket x 1 (Max 100W)
- Power: AC230V 50Hz (UK/Europe)
- Power Consumption: 300W (0.5W at standby mode)
- Overall Dimensions (W x H x D): 435 x 142 x 355 mm, 17.1" x 5.6" x 14.0"
- Net Weight: 9.2 kg, 20.3 lbs.
- Accessories: Remote Control (UR-1314), AAA Batteries x 2
  Owner’s Manual (including Warranty Card)

■ Rear Panel

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