MC602 Power Amplifier
The MC602 is the most powerful stereo amplifier ever produced by McIntosh! It delivers 1.2 kilowatts of unrestrained power with the finesse of a dancer. The double-balanced design – possible only with the exclusive McIntosh output autoformer – all but eliminates distortion. If you can imagine a truck-pull contest using Ferraris, then you can appreciate the MC602’s capacity to astonish.

**Featured Technologies**

**DOUBLE-BALANCED PUSH-PULL DESIGN.** The MC602 is fully balanced from input to speaker output. Matched amplifiers operate in complimentary push-pull with their outputs combined in the McIntosh autoformer. The resulting double-balanced configuration cancels virtually all distortion. This circuit design is possible only with the McIntosh autoformer.

**DUAL POWER SUPPLIES.** Each channel of the MC602 has its own power supply, ensuring optimum performance.

**EXCLUSIVE McINTOSH OUTPUT AUTO FormERS.** An impedance mismatch between an amplifier and loudspeaker can cause distortion and a reduction in power. The legendary McIntosh autoformer is a hand-crafted transformer with output connections for 2, 4, and 8 ohms, allowing an ideal impedance match. A McIntosh amplifier with an autoformer can safely drive multiple speakers connected in parallel without shortening the life expectancy of the output stage. There is absolutely no performance penalty with an autoformer. In fact, its frequency response exceeds that of the output circuit itself, and extends well beyond the audible range. Distortion is so low it is virtually immeasurable.

**EXCLUSIVE McINTOSH POWER ASSURANCE System.** Power Assurance is a collection of technologies that enhance performance and reliability and protect the amp and the loudspeakers.

**Power Guard® clipping protection.** Power Guard ensures that the amplifier will always deliver full power without causing clipping distortion. If an amplifier channel is overdriven, Power Guard automatically reduces the input volume just enough to keep distortion below 2% and prevent any clipping distortion. Thanks to an optical resistor, Power Guard acts literally at the speed of light, producing absolutely no audible side effects. An amplifier with Power Guard will actually deliver clipping-free output well above its rated power.
About the MC602 Companion Products

The McIntosh products shown at right are logical companions for the MC602. Separate literature is available. Check with your McIntosh dealer for any late additions. McIntosh speaker systems are also covered in detail in separate literature.

C100 Preamplifier/Controller. One of the finest power amplifiers McIntosh has ever produced deserves an equally fine partner. The dual-chassis, fully balanced C100 is virtually devoid of any measurable noise.

C42 Audio Control Center. The C42 and MC602 form a high-power, balanced audio system with “state-of-the-McIntosh” performance.

XRT25, XRT26 Loudspeakers. The stunning XRT loudspeakers feature patented LD/HP® bass and midrange drivers plus multi-tweeter Line Source columns that increase power handling, minimize distortion, and control vertical dispersion. Useable bass response extends down to 20Hz.

Featured Technologies (cont’d.)

Sentry Monitor® current protection. Sentry Monitor continually senses the voltage and current of the output stage and confines it to a safe limit. Sentry Monitor does not limit power output.

Thermal Cutout. If the cooling air is blocked and the power transistors become too hot, thermal cutouts protect against overheating until the amp cools.

DC Failure protection. In the rare event of an output circuit failure, any DC current that appears in the output is shunted to ground by the autoformer, protecting the speakers from damage.

Turn-On Delay. This circuit delays operation for about two seconds after turn-on in order to avoid any pops or thumps generated as other equipment turns on.

Soft Start inrush protection. Thermistors in the power transformer act as a cushion against inrush current, eliminating component stress during turn-on. Soft Start is one of many design details that contribute to the remarkable longevity of McIntosh equipment.

ILLUMINATED PEAK-RESPONDING WATTMETERS. The output in watts of any amp depends on loudspeaker impedance, which varies considerably with the frequency content of music. Conventional output meters may display “watts” but they actually measure output voltage because they assume a fixed impedance. McIntosh wattmeters display real output in watts, and thus indicate the real power required to drive a particular speaker. McIntosh wattmeters respond 95% full scale to a single-cycle tone burst at 2kHz. Response is almost 10-times faster than a professional VU meter. The “hold” feature provides a longer pause at the peak reading. The meter illumination can be switched off.

BALANCED CONNECTIONS. A premium feature not usually found in consumer audio gear, balanced connections guard against induced noise and allow long cable runs without compromising sound quality. A balanced connection between the MC602 and the C100 Control Center provides 40dB more noise protection than would an unbalanced (“single-ended”) connection.

REMOTE POWER CONTROL. This allows a McIntosh Control Center to turn the MC602 and other system components on/off.

Most consumer electronics products are necessarily viewed as short-term investments because either they don’t last or they quickly become obsolete in some way. Coincidentally, manufacturers supply a steady stream of “new-and-improved” products that you can buy. Again.

Behind every McIntosh is a fifty-year heritage of excellence, proudly carried forward by every employee. No production lines, no “price-point” engineering, no planned obsolescence. McIntosh equipment is made to sound better and last longer. When McIntosh products are presented to customers, the criteria they have been conditioned to overlook — reliability, longevity, craftsmanship, ease-of-use, adaptability, pride of ownership — suddenly leap to the top of their list.

The choice becomes clear: **There is nothing like a McIntosh.**
### MC602 Power Amplifier

#### FEATURES
- Double-balanced push-pull design
- 2 x 600 watts (8/4/2 ohms)
- Balanced input
- Exclusive McIntosh output autoformers
- Dual high-voltage power supplies
- Wide power bandwidth
- Ultra-low distortion
- Exclusive McIntosh Power Assurance System:
  - Power Guard® clipping protection
  - Sentry Monitor® current protection
  - Thermal Cutout
  - DC Failure protection
  - Turn-On Delay
  - Soft Start inrush protection
- Illuminated peak-responding wattmeters with hold
- Remote power control
- Gold-plated high-current output terminals
- Fanless convection cooling
- Modular construction with stainless-steel chassis
- Glass front panel with illuminated nomenclature

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>RMS Power Output (8/4/2 ohms)</td>
<td>600 watts minimum sine wave continuous average power output per channel from 20Hz to 20kHz with both channels operating</td>
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<tr>
<td>Intermodulation Distortion</td>
<td>0.005% maximum if instantaneous peak power output does not exceed twice the output power rating</td>
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<tr>
<td>Damping Factor</td>
<td>100 (8 ohms)</td>
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<tr>
<td>Input Impedance</td>
<td>Unbalanced: 10k ohms</td>
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<tr>
<td>Frequency Response</td>
<td>2.1dB</td>
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<tr>
<td>Power Guard®</td>
<td>Clipping is prevented and THD does not exceed 2% with up to 14dB overdrive at 1kHz</td>
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<tr>
<td>Power Requirements</td>
<td>120V 50/60Hz, 15A</td>
</tr>
<tr>
<td>Dimensions (h x w x d)</td>
<td>inch: 11 x 17.75 x 19.63 cm: 27.9 x 45.1 x 49.8 handle clearance: 1.75” (4.4 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>155 lbs. (70.4kg) net 180 lbs. (81.8kg) shipping</td>
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**MC602.10k.essecomm**