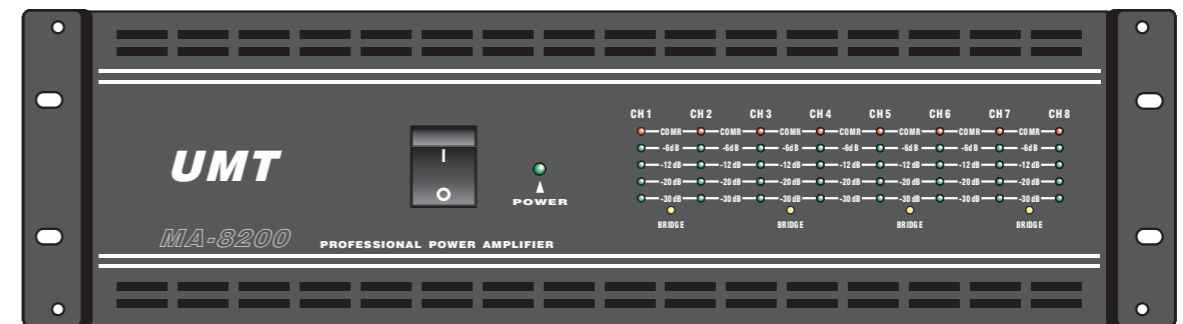


# USER MANUAL

## PROFESSIONAL POWER AMPLIFIER



**MA-8200**

PROFESSIONAL POWER AMPLIFIER

**PROFESSIONAL SERIES SPECIFICATIONS**

Model	MA-8200
Output power at 8ohms	8x120w
Output power at 4ohms	8x200w
FREQUENCY RESPONSE	12Hz~60kHz~1.5dB
Signal/noise ratio for power 8ohms RMS	>90dB
CROSSTALK AT RATED OUTPUT POWER 8 Ohms RMS	>51dB
SLEW RATE	25V/US
PROTECTION	SHORT CIRCUIT, CURRENT LIMITED, THERMAL CUT OFF, SLOW START, LIMITER, AC LINE FUSE, DC FAULT, POWER UP/DOWN TRANSIENTS
COOLING	VARIABLE SPEED FAN
Power consumption at all channels	<1200W
Half power 8 ohms	
POWER SUPPLY	AC 230V/50-60Hz
DIMENSIONS(W×D×H)mm	482x310x132mm
NET WEIGHT	19 kg

**Installation guidelines**

- DO NOT use these amplifiers in damp or high humidity environments. Do not use outdoors or anywhere where liquids could fall or splash onto the amplifier.
- Ensure the amp is adequately ventilated, with free airflow to the front and rear panels. Keep away from other heat sources. If the amps are mounted in a rack with other amps, ensure there is adequate cool air flow front and rear. Note that air is drawn in through the back panel, and exhausted through the front panel.
- NEVER cover the amplifiers, as they may overheat.
- The power amplifiers are designed to fit standard 19" racks, with a 2U height and 17 depth. We recommend the use of rear rack supports, especially if the rack is to be mobile. Use shake proof washers or thread lock adhesive to prevent mounting bolts becoming loose in transit.
- Ensure that the AC power supply is correct for your amplifier. The required AC supply is stated on the rear panel next to the AC power input.
- Ensure that you use the correct type of mains lead for your equipment and country. This must be free from damage and easily accessible during use.

**OVERVIEW**

MA series amplifiers are our higher class amplifiers which meet the requirements from high end field. Unique diagram and SMT technology make the amplifiers have superior sound quality and incredible reliability. 2ohm stable makes the amplifiers a large variety of use whatever in installation and DJ use. It is the best choice for your high end field.

MA series amplifier has full-protect function, including:

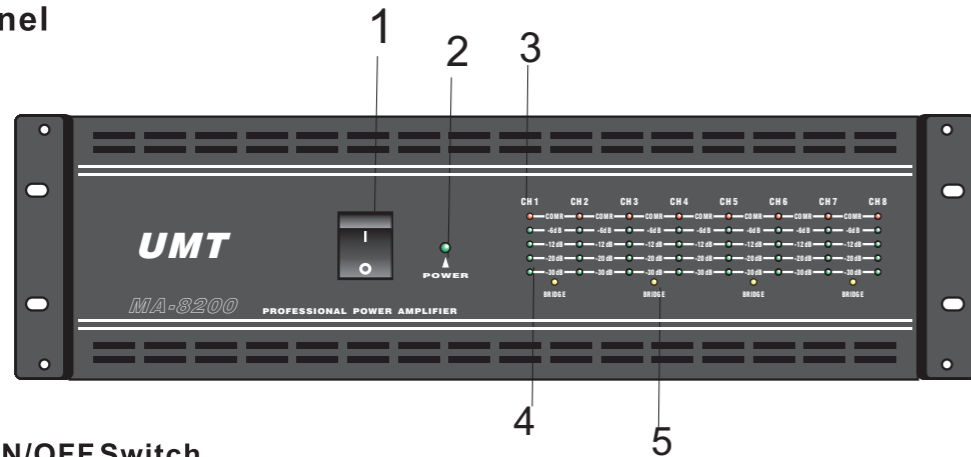
- . Soft start function to prevent wave-shock at switch power on
- . Delay function for preventing shock at switch power on
- . DC protection
- . Over-electric current protection
- . Cut-wave protection
- . Over heat protection

**ATTENTION**

**WARNING**—using electric product, basic precautions should always be followed, including the following:

- (1) Read all the SAFETY INSTRUCTIONS before using the product
- (2) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- (3) Do not use this product near water—for example, near a bathtub, washbowl, kitchen sink, in a wet basement or near a swimming pool or the like.
- (4) This product is capable of producing sound levels that could cause permanent hearing loss. DO NOT operate for a long period of time at high volume or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
- (5) This product should be located so that its location or position does not interfere with its proper ventilation.
- (6) This product should be located away from heat sources such as radiators, heat registers or other products that produce heat.
- (7) The product should be connected to a power supply only of the type described on the operating instructions or as marked on the product. Always ensure that a good quality mains lead is used applicable for your country.
- (8) If the mains fuse need be replaced, DISCONNECT THE PRODUCT FROM THE MAINS SUPPLY. The fuse is above the mains IEC socket, and must be replaced with a fuse of the type and rating stated on the rear panel. If a replacement fuse fails immediately, contact your local service agent. DO NOT replace with a higher value.
- (9) The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power-supply cord, DO NOT pull on the cord, but grasp it is the plug.
- (10) Ensure the mains isolation switch is readily accessible when the product is in use.
- (11) Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- (12) The product should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged; or
  - B. Object have fallen, or liquid has been spilled into the product; or
  - C. The product has been exposed to rain; or
  - D. The product does not appear to operate normally or exhibits a marked change in performance; or
  - E. The product has been dropped or the enclosure damaged.
- (13) DO NOT attempt to service the product beyond that described in the user—maintenance instructions. All other servicing should be referred to qualified service personnel.
- (14) **WARNING-DO NOT** place objects on the product's power cord or place it in a position where anyone could trip over, walk on or roll anything over it. DO NOT allow the product to rest on or to be installed over power cords of any type. Improper installations of this type create the possibility of fire hazard and/or personal injury.

**Main Operation Button and Function Front Panel**



**1. Power ON/OFF Switch**

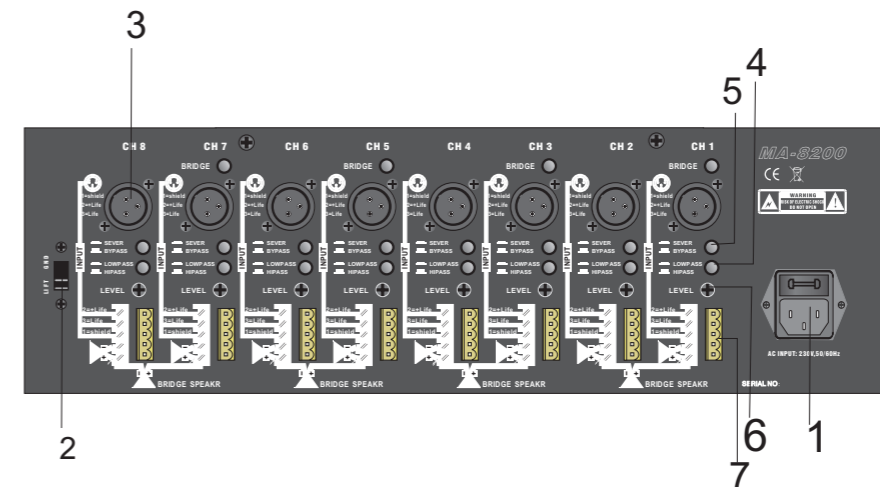
When press this button, the prevent wave shock current shall start and soft boot up, after 3-4 seconds, you can heard “Ca Ca” noise the relay holding. the soft boot up finish, Than after 1-2 second too, the double noise can heard once time, the amplifier already Connect the speaker, now this equipment in standby status.

**2. Power LED**

3. Led CLIP lights up if the respective channel is overloaded and in case of short circuit of the respective output

**4. LED row for level indication**

5. LED BRIDGE lights up when the switch for the operation mode(6) of the corresponding channel pair is pressed.



1 . Mains jack for power supplu for connection to 230V~/50Hz

**2. GROUND LIFT switch**

position GND: signal ground and housing ground are connected  
position LIFT: singal ground and housing ground are seperated

3. INPUT jacks as XLR jacks for units with line level

4. Selector switches for the respective channel pair switch pressed:  
bridge operation not pressed: normal operation

5. Switches for activating /deactivating the filter for the respective channel  
switch pressed: filter on (FILTER)  
not pressed: filter off (BYPASS)

6. Volume control for the respective channel

7. Plug-in screw terminal for the respective channel  
contacts 1 to 3:  
alternative INPUT, directly connected to the respective XLR input(6); also  
suitable for feeding the signal through to the input terminals of other channels

contacts 4 and 5  
speaker connections OUTPUT