Ibanez brings you the latest in mixing board technology. Never before have so many features been put into a rack mount mixer. Features like 8 inputs, stereo outputs, individual monitor and effects sends, parametric EQ, low cut filters, VU metering, RCA tape inputs and outputs, headphone monitoring and more. Size, features and price combine to create the perfect mix...the RM80 from Ibanez.

**Features**
- 8 in, 2 output, stereo mixer
- Recall for each channel
- Monitors sends per channel, useful for fold back by PA
- Effects sends per channel
- Sends/Return on each channel
- Continuously variable 30dB gain control

**Specifications**
- **Input Characteristics**
  - Mic Input: 47K ohms, -50 dBm
  - CH Return: 47K ohms, -50 dBm
  - Effects Return: 47K ohms, -50 dBm
- **Output Characteristics**
  - CH Send: 10K ohms, +4 dBm
  - Master Out: 10K ohms, +4 dBm
  - Monitor Out: 10K ohms, +4 dBm
  - Effects Out: 10K ohms, -20 dBm
  - Line Out: 10K ohms, -20 dBm
  - Phones: 8K ohms, 0.25W x 2
- **Frequency Response**
  - 20Hz to 20KHz (-2dB)
- **T.H.D. (@1KHz)**
  - 0.03%
- **Hum and Noise**
  - Equivalent Input Noise: -120 dB S/N ratio
- **Maximum Gain**
  - Mic Input/Master Send: 60 dB
  - Mic Input/Monitor Send: 60 dB
  - Mic Input/Bypass Send: 42 dB
  - Mic Input/LP: 33 dB
  - Mic Input/Gain: 33 dB
  - Mic Input/Line: 40 dB
  - Mic Input/Line/Master Out: 40 dB
  - Effects Return/Master Out: 27 dB
  - Tape In/Master Out: 30 dB
- **Maximum Input Level**
  - T.H.D. < 0.05%
  - Dynamic Range: > 80 dB
- **Maximum Output Level**
  - 1KHz, +6dB, BNR > 80 dB

**Dimensions**
- Weight: 482 mm x 68 mm x 330 mm
- Width: 19 (5.27)
The Ibanez RM mixing system is based around the RM60 6-in, 2-out mixer. It can be made into a 10-in, 2-out system with the addition of the RM100EX 10-channel expander. While moderately priced, this system gives you performance and features equal to mixing systems costing much more. Compare the following list of features with any other console in this price range and you’ll see why the Ibanez RM Mixing System is head and shoulders above the rest.

**FEATURES**
- 6 In, 2 Out Stereo Mixer
- Expandable to 10 In, 8 Out Expander Module RM100EX
- Panpot on each channel
- Channels and effects send
- Each channel has 30 dB Pad for matching any input level
- Low cut Filter
- Headphone Jacks for monitor
- FL 19 inch Rack mount

**BLOCK DIAGRAMS**

**INPUT CHANNEL**
- TONE MATCHES CHANNEL INPUT GAIN TO INPUT SIGNAL SOURCE
- VOICE LEVEL MATCHES VOLUME SET ON TONE CONTROLS
- TONE INPUT MATCHES LEVEL SET ON TONE CONTROLS
- MONITOR TONE INPUT MATCHES LEVEL SET ON MONITOR CONTROL
- EFFECTS PASS TONE MATCHES LEVEL SET ON EFFECTS CONTROL
- PAN MATCHES CHANNEL SIGNAL TO LEFT AND RIGHT OUTLETS
- CH LEVEL MATCHES LEVEL SET ON CHANNEL LEVEL CONTROL

**MIXER SECTION**
- KNOB MATCHES LEVEL SET ON MIXER LEVEL CONTROL
- EFFECTS MATCHES LEVEL SET ON EFFECTS CONTROL
- PAN MATCHES SIGNAL TO LEFT AND RIGHT OUTLETS
- CH LEVEL MATCHES LEVEL SET ON CHANNEL LEVEL CONTROL

**SPECSIFICATIONS**
- **Mixer**
  - 6 Input, 30 Output Channels
  - 48 dB Input Gain
  - 30 dB Pad for matching any input level
  - Low cut Filter
  - Headphone Jacks for monitor
  - FL 19 inch Rack mount

- **Specifications**
  - Output Characteristics
    - 47 KOhms, -20 dB
    - 10 KOhms, -20 dB
  - Input Level
    - 10 KOhms, -20 dB
    - 100 KOhms, -20 dB
  - Headphone Level
    - 4 dBm, -20 dBm
  - Pre-Effects VU Meter
  - 0 dB, -20 dB
  - EQ Controls
    - 3-Band EQ
    - 80 Hz, 1 kHz, 120 kHz
  - Pre-Effects Fader
  - 0 dB, -20 dB
  - Post-Effects Fader
  - 0 dB, -20 dB
  - Power Requirements
    - 117 V 60 Hz
    - 230 V 50 Hz
    - 10 W (RM60)
    - 10 W (RM100EX)
    - 14 W (RM60 & RM100EX)
  - Dimension
    - 384 x 254 x 56 mm
    - 19 x 11 x 2.25 inch
  - Weight
    - 5.7 Kg (12.6 lbs)

**REAR PANEL**
- LEVEL MATCHES LEVEL SET ON REAR PANEL LEVEL CONTROL
- EQ MATCHES LEVEL SET ON EQ CONTROL
- EFFECTS MATCHES LEVEL SET ON EFFECTS CONTROL
- PAN MATCHES SIGNAL TO LEFT AND RIGHT OUTLETS
- CH LEVEL MATCHES LEVEL SET ON CHANNEL LEVEL CONTROL

**AC POWER**
- 117 V 60 Hz
- 230 V 50 Hz

**STANDBY**
- Connection for RM100EX expander module.

**RECORDING**
- Line out for use with tape recorders.

**MASTER OUT**
- Left and Right master signal outputs.

**EFFECTS/AUX IN (L, R)**
- Effects return jacks & Aux input jack.

**MONITOR OUT**
- Monitor signal output.

**Effects out**
- Sends signal to effects.

**MIC INPUT**
- 1 Channel, 1 1/4 inch input.

**MIXER**
- 1 Channel, 1 1/4 inch input.

**Effects out**
- Sends signal to effects.

**MIC INPUT**
- 1 Channel, 1 1/4 inch input.

**MIXER**
- 1 Channel, 1 1/4 inch input.
**INPUT CHANNEL**
1. **INDICATOR (Red)**
   LED status indicator lights when input level reaches +15 dB.
2. **TRIM**
   Matches channel input gain to input signal source level. Variable from -50 dBm to -20 dBm. Maximum input level is +12 dBm.
3. **TREBLE**
   Shelving type tone control gives up to 15 dB of boost or cut at 10 kHz.
4. **MID LEVEL**
   Controls amount of boost or cut up to 15 dB at the frequency selected by **Mid Frequency**.
5. **MID FREQUENCY**
   Frequency selector for Parametric Midrange tone control. Frequency is variable from 200 Hz to 5.6 kHz and the amount of boost or cut is controlled by **MID LEVEL**.
6. **BASS**
   Shelving type tone control gives up to 15 db of boost or cut at 100 Hz.
7. **MONITOR**
   Controls individual channel monitor level to master monitor send. This control is post EQ and pre fader and is used for on stage monitor or feedback.
8. **EFFECTS**
   Controls individual channel effects level to master effects send. This control is post EQ and post fader.
9. **PAN**
   Controls the amount of channel signal fed to the left and right output for stereo imaging.
10. **CHANNEL LEVEL**
    Controls overall channel output to master output level.

**MASTER SECTION**
1. **MASTER LEVEL**
   Controls main output level.
2. **MASTER LEVEL-MONITOR**
   Master control for monitor send. Controls monitor output level.
3. **MASTER LEVEL-EFFECTS**
   Master control for effects send. Controls effects output level.
4. **LOW CUT FILTER**
   Provides 12 dB per octave rolloff at 100 Hz.
5. **AUX/EFFECTS RETURN**
   Controls level of effects return or Auxiliary input.
6. **PHONES**
   Controls output level of headphone amp.
7. **TAPE IN (LEFT, RIGHT)**
   Controls signal level from external tape deck.
8. **VU METER**
   Meter displays master output levels. 0 VU = +4 dBm.

**REAR PANEL**
1. **MIC INPUT**
   Mic input for channel 1-8. Accepts high impedance microphone or line inputs with output from -50 dBm to -20 dBm.
2. **SEND**
   Pre Fader output on each channel provides individual patching of signal processing such as compressors or delays.
3. **RETURN**
   Input from external signal processing to fader each channel.
4. **MONITOR SEND**
   Master output for monitor send.
5. **EFFECTS SEND**
   Master Output for effects.
6. **EFFECTS RETURN (AUX IN LEFT, RIGHT)**
   Return input from external effects. When plugged into only one side, the effects will be in both left and right channels. When plugged into both sides one effect will be in the left channel and one will be in the right channel.
7. **MASTER OUT**
   Left and right master output. 0 VU = +4 dBm.
8. **RECORDING**
   RCA jacks provide stereo outputs for recording on an external tape deck, as well as tape in jacks for playback.
9. **POWER SWITCH**
   On/Off switch for Mixer. VU meter lights when unit is turned on.
10. **FUSE**
    Use 125 V/0.5 A (Type T,N) or 250 V/0.5 A (Type R, U, Q, S, P) Fuse only.

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