**KC-100**
4CH MIXING KEYBOARD AMPLIFIER

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**SPECIFICATIONS**

- **KC-100**
  - **Rated Power Output**
    - Speaker: 60W/8Ω
  - **Nominal Input Level (@1kHz)**
    - Channel 1 XLR Type: -50dBm thru -20dBm
    - Channel 1 Phone Type: -50dBm thru -20dBm
    - Channel 2, 3, 4: -20dBm
  - **Nominal Output Level (@1kHz)**
    - LINE OUT: +4dBm
      - 0dBm = 0.775Vrms
  - **Speaker**
    - 30cm (12") x1 + Tweeter x1
  - **Controls**
    - Channel 1 MIC/LINE Volume
    - Channel 2 LINE Volume
    - Channel 3 LINE Volume
    - Channel 4 MONITOR Volume
    - LOW TWEET
    - Master VOLUME
    - POWER Switch
    - Power Indicator
  - **Connectors**
    - Channel 1 Input Jack (XLR Type Balanced)
    - Channel 1 Input Jack
    - Channel 2 Input Jack
    - Channel 3 Input Jack
    - Channel 4 Input Jack
    - LINE OUT Jack
    - PHONES Jack
  - **Power Consumption**
    - 40W (AC100V)
    - 60W (AC117V/230V/240V)
  - **Dimensions**
    - 478(W)x273(D)x430(H)mm
    - 18-7/8(W)x10-3/4(D)x16-15/16(H)inches
  - **Weight**
    - 14.5kg
    - 32lbs
  - **Accessories**
    - Owner's Manual (English) (17055092)
    - Owner's Manual (Japanese) (17055093)
  - **Options**
    - Speaker Stand SS-115A
    - Speaker Cap SS-CAP (H1017017)

*When using an SS-115A speaker stand, be sure to use a SS-CAP speaker cap in conjunction with it.
LOCATION OF CONTROLS

CONTROL PANEL

POTENTIOMETER
RK11K112  100KB
(01120112)

POTENTIOMETER
RK11K112  20KB CC
(01120134)

POTENTIOMETER
RK11K112  10KB
(01120145)

LED L-53HD (15029139)

All knobs are
KNOB (7098605000)

JACK

LINE OUT  CH 4 | CH 3 | CH 2 | CH 1

JACK
YKB21-5012 (13449146)

JACK
YKB21-5074 (13449275)

CANNON JACK
NC3FAH-1 (00679778)

JACK
YKB21-5006 (13449252)

BUTTON (22497565)
SWITCH
SDDL1-B-D-2  TV-5
(13129160)

POWER

4 CH MIXING KEYBOARD AMPLIFIER
ROLAND

K-100
**CABINET EXPLODED VIEW**

### [PARTS]

<table>
<thead>
<tr>
<th>No.</th>
<th>Part Cord</th>
<th>Part Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>17055998</td>
<td>CABINET ASSY</td>
</tr>
</tbody>
</table>

**NOTE:** Replacement Cabinet Assy includes the following parts.

| 2   | 22310207   | HANDLE H-40 WITH ESCRUTCHEON |
| 3   | 17055035   | CORNER PROTECTOR             |
| 4   | 17055038   | RUBBER FOOT                  |
| 5   | 17055020   | STAND ADAPTOR                |
| 6   | 17055090   | 2 inch PORT TUBE             |
| 7   | 17055099   | PUNCHING METAL               |
| 8   | K2238110   | ROLAND LOGO BADGE            |
| 9   | 17055130   | 12 inchs SPEAKER K1288F16    |
| 10  | 17055101   | TWITTER K10MPZG17           |

### [SCREW]

| A   | 40010601   | ORIGINAL TRUSS MACHINE SCREW M5x35 BZC |
| B   | 17055068   | #8-32x1 inches TRUSS HEAD BZC       |
| C   | 40010689   | #8-1 inches TAPPING TRUSS           |
| D   | 17055069   | #8x1/2 inches TRUSS HEAD SHEET METAL BZC |
| E   | 40230769   | OVAL HEAD MACHINE M3x10 BZC        |
| F   | 40311689   | SPEED NUT F-TYPE M3               |
| G   | 40383267   | OH-P MACHINE BZC M5x40            |

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The diagram shows the exploded view of the cabinet, with various parts labeled and connected to demonstrate how they fit together.
**PARTS LIST**

**SAFETY PRECAUTIONS:**

The parts marked with exclamation point have safety-related characteristics. Use only listed parts for replacement.

**CONSIDERATIONS ON PARTS ORDERING**

When ordering any parts listed in the parts list, please specify the following items in order.

- Manufacturer's name
- Model number
- Part number
- Description

If you fill the above items with correct number and description will result in delayed or even undelivered replacement.

**FUSE, FUSE HOLDER**

- **FUSE, FUSE HOLDER**
  - F2559103 FUSE SB2 2A/125V 1A/250V 230V/240V
- **POWER TRANSFORMER**
  - G2457142 POWER TRANSFORMER 100V/117V
  - G2457139 POWER TRANSFORMER 230V/240V

**AC CORD**

- **AC CORD**
  - G3497123 AC CORD VCTF 100V
  - G3497124 AC CORD SJT 117V
  - G3497127 AC CORD SY010 BLK 120V
  - G3497126 AC CORD FC-305 240V

**IC**

- **IC**
  - M5218AL IC2-6, IC8
  - NJM2068L IC1

**TRANSISTOR**

- **TRANSISTOR**
  - 2SA965Y Q9
  - 2SA970GR Q4, Q5
  - 2SA1015GR Q7
  - 2SB1017Y Q11
  - 2SC1815GR Q3, Q8, Q13
  - 2SC2235Y Q10
  - 2SC5197-Y Q14
  - 2SD1408Y Q21
  - 2SK30AY Q11

**DIODE**

- **DIODE**
  - FL402 BRIDGE D1
  - 1N4004 D5, D7
  - 1S133 D4, D6, D8-11, D14-17
  - L-53HD LED D13

**POTENTIOMETER**

- **POTENTIOMETER**
  - FC-305 240V
  - 10KB VR7
  - 20KB CC VR5, VR6
  - 53HD LED D13

**RESISTOR**

- **RESISTOR**
  - 230V/240V
  - 100V/117V

**TABLE A**

<table>
<thead>
<tr>
<th>Resistor Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>150Ω</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>1.3kΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>1kΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>56kΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>220kΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>470kΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>1MΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>10MΩ</td>
<td>CERAMIC 100V</td>
</tr>
</tbody>
</table>

**TABLE B**

<table>
<thead>
<tr>
<th>Resistor Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100kΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>1MΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>10MΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>100MΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>1GΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>10GΩ</td>
<td>CERAMIC 100V</td>
</tr>
<tr>
<td>100GΩ</td>
<td>CERAMIC 100V</td>
</tr>
</tbody>
</table>

**CHASSIS**

- **CHASSIS**
  - G281711901 CHASSIS

**KNOB, BUTTON**

- **KNOB, BUTTON**
  - AC KNOB 22415765
  - BUTTON POWER SW 22497565

**SWITCH**

- **SWITCH**
  - SDDL1-B-D-2 TV-5 22497565
  - BUTTON POWER SW 22497565

**PCB ASSY**

- **PCB ASSY**
  - 01341534 MAIN BOARD ASSY 230/240V
  - 01341523 MAIN BOARD ASSY 100V/117V

**NOTE:**

1. The parts marked # are new (initial parts).

2. When using MAIN BOARD ASSY for 100V/117V version, be sure to replace fuse of specific voltage 100V/117V (refer to TABLE A). And change mark on PCB as shown in TABLE B.

**TABLE A**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100V/117V</td>
<td>SB 5x20 2A/125V</td>
<td>12559441</td>
</tr>
<tr>
<td>230V/240V</td>
<td>SB 5x20 1A/250V</td>
<td>F2559103</td>
</tr>
</tbody>
</table>

**TABLE B**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100V/117V</td>
<td>12559441</td>
<td>FUSE SB2</td>
</tr>
<tr>
<td>230V/240V</td>
<td>F2559103</td>
<td>FUSE SB2</td>
</tr>
</tbody>
</table>

**NOTE:**

- The parts marked # are new (initial parts).

- Replace Cabinet Assy includes the following parts.

- Handle H-40 with escutcheon
- Corner protector
- Stand adapter
- 2 inch PORT TUBE
- Rollad loud badge

- # G281711901 CHASSIS

- # 17055098 CABINET ASSY
  - NOTE: Replacement Cabinet Assy includes the following parts.
  - Handle H-40 with escutcheon
  - Corner protector
  - Stand adapter
  - 2 inch PORT TUBE
  - Rollad loud badge

- # 17055100 12 inches SPEAKER K1208F16
- # 17055101 TWEETER KHNZG17

- CABINET ASSY
  - NOTE: Replacement Cabinet Assy includes the following parts.
  - Handle H-40 with escutcheon
  - Corner protector
  - Stand adapter
  - 2 inch PORT TUBE
  - Rollad loud badge

- # 17055098 CABINET ASSY
  - NOTE: Replacement Cabinet Assy includes the following parts.
  - Handle H-40 with escutcheon
  - Corner protector
  - Stand adapter
  - 2 inch PORT TUBE
  - Rollad loud badge

- # 17055099 PUNCHING METAL 1208F16
- # 17055100 12 inches SPEAKER K1208F16
- # 17055101 TWEETER KHNZG17

- CHASSIS
  - # G281711901 CHASSIS

- # 13129160 SDDL1-B-D-2 TV-5 22497565
  - POWER SW 22497565

- # 00679778 CANNON NCF3FAH-1 230V/240V
  - JD1

- # 13449275 YKB21-5074 230V/240V
  - JD2

- # 13449146 YKB21-5012 230V/240V
  - JD3

- # 13449252 YKB21-5006 230V/240V
  - JD7

- # 01341534 MAIN BOARD ASSY 230/240V
  - NOTE: Replacement MAIN BOARD ASSY is 230V/240V version only.
  - When using MAIN BOARD ASSY for 100V/117V version, be sure to replace fuse of specific voltage 100V/117V (refer to TABLE A). And change mark on PCB as shown in TABLE B.
### SCREWS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>62</td>
<td>M5x40 OHP MACHINE BZC (fix CHASSIS, HANDLE)</td>
</tr>
<tr>
<td>1750069</td>
<td>#6x1/2 inchs TRUSS HEAD SHEET METAL BZC (fix CORNER PROTECTOR, PUNCHING METAL)</td>
</tr>
<tr>
<td>17050068</td>
<td>#8x1 inch TRUSS HEAD BZC (fix 12 inchs SPEAKER, TWEETER)</td>
</tr>
<tr>
<td>40011756</td>
<td>OVAL HEAD MACHINE M3x10 BZC (fix ROLAND LOGO BADGE)</td>
</tr>
<tr>
<td>40011767</td>
<td>#6x1 inch TRUSS HEAD BZC (fix ROLL Weld FOOT, STAND ADAPTOR)</td>
</tr>
<tr>
<td>40011769</td>
<td>ORIGINAL TRUSS MACHINE M5x35 BZC (fix CHASSIS)</td>
</tr>
<tr>
<td>40011901</td>
<td>3x8 TAPPING BINDING BZC (fix NAME PLATE)</td>
</tr>
<tr>
<td>40011927</td>
<td>M3x10 BINDING BZC</td>
</tr>
<tr>
<td>40011934</td>
<td>M4x8 BINDING BZC</td>
</tr>
<tr>
<td>40011945</td>
<td>M4x10 BINDING BZC</td>
</tr>
<tr>
<td>40011949</td>
<td>M3x8 BINDING w/INT. TOOTH WASHER BZC</td>
</tr>
<tr>
<td>40011952</td>
<td>M3x8 BINDING w/INT. TOOTH WASHER BZC</td>
</tr>
<tr>
<td>40011975</td>
<td>M3 FLANGE NUT ZC</td>
</tr>
<tr>
<td>40011987</td>
<td>M4 FLANGE NUT ZC</td>
</tr>
<tr>
<td>40011990</td>
<td>M4 EXT. TOOTH WASHER ZC</td>
</tr>
<tr>
<td>40012000</td>
<td>3x8 TAP TIGHT BZC</td>
</tr>
<tr>
<td>40012016</td>
<td>M3x10 BINDING MACHINE SCREW W/SW BZC</td>
</tr>
<tr>
<td>40012032</td>
<td>M3x8 BINDING TAP TIGHT P BZC</td>
</tr>
<tr>
<td>60150020</td>
<td>STAND OFF M3x20</td>
</tr>
<tr>
<td>HS019404</td>
<td>M3x8 BINDING w/SPRING WASHER BZC (117V ONLY)</td>
</tr>
<tr>
<td>HS019411</td>
<td>M3x20 BINDING w/INT. TOOTH WASHER BZC (117V ONLY)</td>
</tr>
</tbody>
</table>

### PACKING CASE

- 17055102 PACKING CASE

### MISCELLANEOUS

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>G246770101</td>
<td>HEATSINK</td>
</tr>
<tr>
<td>221507500</td>
<td>JACK NUT #756</td>
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<tr>
<td>123454100</td>
<td>LINE CORD STRAIN RELIEF 1702B</td>
</tr>
<tr>
<td>O2275113</td>
<td>TO-3P INSULATING SHEET</td>
</tr>
<tr>
<td>F2237231</td>
<td>FUSE BARRIER</td>
</tr>
<tr>
<td>G2537608</td>
<td>GND MARK SEAL</td>
</tr>
<tr>
<td>G2537710</td>
<td>FUSE CAUTION SEAL</td>
</tr>
<tr>
<td>G2537711</td>
<td>BARRIER CAUTION SEAL</td>
</tr>
</tbody>
</table>

### ACCESSORIES (STANDARD)

- 17055092 OWNER'S MANUAL (ENGLISH) |
- 17055093 OWNER'S MANUAL (JAPANESE)