

Notes)

- Circuit Board: IN1 (VN024100)
1. Circuit Board  
IN5 (VN024500) PAD
  2. IC  
IC101: 917090 (XK866A00) HA  
IC102, 103: NE5532P (IG102500) OP AMP  
IC104: 911306 (XK872A00) INS  
IC105: 911308 (XK867B00) PEQ  
IC106: 917040 (XK871A00) EBO  
IC108: 917089 (XK868C00) VCA  
IC109: 917037 (XK873A00) BA
  3. Transistor  
Q101 ~ 103, 114, 117 ~ 121: 2SC1815 Y, GR (IC1815M0)  
Q104, 105, 110, 111, 116: 2SA1015 O, Y (IA101590)  
Q113: 2SB647 C, D (IB064730)  
Q115: 2SD667 C, D (ID066700)
  4. Diode  
D101, 102, 114 ~ 123: 1SS133, 1SS176 (VB941200)  
D124, 125: 10D1 (IH000030)
  5. LED  
LD101 ~ 104, 109, 110: GL2EG6 GR (VH325300) ASSIGN1, 3, 5, 7, PAN, 30dB, EQ, HPF  
LD105, 108, 111, 119: GL2HY6 YE (VJ471200) PAN, INSERT PRE, MT PRE  
LD106, 107: GL2PR6 RE (VH325200) +48V, PEAK  
LD120: GL5HY40 YE (VP155700) ON
  6. Ceramic Cap.  
C106, 108, 112: SL 100P 50V J (FG652100)  
C116, 117: F 0.0100 50V Z (FG644100)  
C118, 125: SL 47P 50V J  
C119: SL 68P 50V J  
C122, 181, 182: B 1000P 50V K (FG613100)
  7. Mylar Cap.  
C104, 105: 470P 50V J  
C123, 124: 0.1200 50V J  
C141: 0.0470 50V J  
C184: 3300P 50V J
  8. Electrolytic Cap.  
C101: 47.00 50.0V (UJ867470)  
C102, 103: 10.00 50.0V (VJ097400)  
C107: 1000 6.3V (UJ819100)  
C109, 115, 120, 121, 128 ~ 130, 136 ~ 138, 157 ~ 159, 162 ~ 165: BP 47.00 25.0V (VN321100) VP  
C110, 111, 126, 127, 172, 174, 177, 178: 100.00 25.0V (UJ848100)  
C131, 132, 135, 146, 179: BP 10.00 25.0V (UK547100)  
C133, 134, 180: BP 100.00 25.0V (VN452100) VP  
C139, 140, 160, 161: BP 4.7 25.0V (UK846470)  
C143: 100.00 16.0V (UJ838100)  
C144, 145: BP 220.00 25.0V (VL049300) VP  
C147, 148, 173, 175: 10.00 25.0V (UJ847100)  
C176: 10.00 16.0V (UJ837100)
  9. Metal Film Resistor  
R101, 102: 6.8K 1/4 F (VB067300)  
R107, 129: 4.7K 1/4 F (VA074100)  
R111, 113: 2.2K 1/4 F (VB066300)  
R112: 27.0 1/4 F (VB061100)  
R116: 910.0 1/4 F (VB065000)  
R122, 123, 245, 246: 10.0K 1/4 F (VA074400)  
R128, 136: 2.4K 1/4 F (VB066400)  
R137 ~ 139, 170: 3.0K 1/4 F (VB066600)  
R171: 9.1K 1/4 F (VB067500)  
R175, 176: 24.0K 1/4 F (VB068200)  
R185 ~ 192, 194, 195, 197 ~ 210: 18.0K 1/4 F (VB067900)  
R259: 330.0 1/4 F (VB063700)  
R261, 262: 560.0 1/4 F (VB064300)  
R250: 15.0K 1/4 F (VA074600)
  10. Flame Proof C. Resistor  
R247, 248, 256, 257: 10.0 1/4 J (HV754100)  
R249: 390.0 1/4 J (HV755390)

11. Variable Resistor  
VR101: A20K C20K (VN014800) PAN  
VR102: 2K 5K (VN015900) GAIN  
VR103, 105, 107, 109: C 50K & DMY (VN014700) Q  
VR104, 110: C50K\*3 W50K (VP610100) HI, LO LEVEL  
VR106, 108: C50K\*2 W50K (VP609900) HI-MID LEVEL, LO-MID LEVEL  
VR111: C100KC50K DMY\*2 (VP126100) HPF
12. Variable Resistor with SW  
VR112 ~ 119: A20K 2/3 SRBM13 (VP255200) AUX1-8
13. Trimmer Potentiometer  
VR128, 130: B 22.0K (VA788100) OFFSET A, THD20  
VR129, 131: B 100.0K (VA788400) OFFSET B, THD0  
VR132: B 220 (VA787300) -∞dB
14. Push Switch  
SW101: SPUJ50 4/2 2/2\* (VN018100) ASSIGN1, 3, 5, 7  
SW102, 111, 125: SPUJ12 2/2 (VN016900) +48V, MT PRE, ON  
SW103, 105: SPUJ12 6/2 (VN017100) 30dB, INSERT PRE  
SW104: SPUJ21 2/2\*2 (VN017200) EQ, PRE
15. Slide Switch  
SW114 ~ 124: SSS212 (KA401270) DIRECT OUT FADER  
PRE/POST (internal sw), PRE/OFF/POST
16. Relay  
RY101, 102: DC RY 12W-OH-K (VM640200)
17. IC Protector  
CP101 ~ 103: ICP-F10 (VF963600)
18. Connector  
CN101: 57F50P-AXP50P L=215  
CN102: 57F50P-AXP50P L=80  
CN103: SAN & PH CH IN  
CN104: SAN & PH CH D-OUT  
CN105: MQ-5P TE (VA252300)  
CN106: B07P-MQ (VB994800)  
CN107, 112: PH-14P TE (VE352600)  
CN108: PH-6P TE (VB390200)  
CN109: PH-8P TE (VB390400)  
CN110: PH-13P TE (VF283100)  
CN111: PH-4P TE (VB390000)  
CN113, 114: 5532-NA 6P TE  
CN127: SAN&PH CH INSERT

Notes)

- Circuit Board: IN2 (VN024200)
1. LED  
LD112 ~ 116: GL2EG6 GR (VH325300) ASSIGN2, 4, 6, 8, S  
LD117, 118: GL2HY6 YE (VJ471200)  $\phi$ , INSERT ON
  2. Metal Film Resistor  
R193, 196: 18.0K 1/4 F (VB067900)
  3. Push Switch  
SW106: SPUJ50 2/2\*4 4/ (VN018200) ASSIGN2, 4, 6, 8  
SW107 ~ 110: SPUJ12 2/2 (VN016900)  $\phi$ , HI, LO, INS ON
  4. Connector Assembly  
CN115: IN2 SAN & PH  
CN116: SAN & PH 6P 60L  
CN117: SAN & PH 8P 60L

# PM4000/PW4000

## Notes)

- Circuit Board: IN3 (VN024300)
- IC  
IC107: IR2E19 (IG136600) LED DRIVER  
IC110, 111: NJM2041D-D (IG069200) OP AMP
  - Transistor  
Q106, 107, 122~126: 2SC1815 Y, GR (IC1815M0)  
Q108, 109: 2SA1015 O, Y (IA101590)
  - Diode  
D103~113, 124~134: 1SS133, 1SS176 (VB941200)
  - Zener Diode  
ZD101: MTZ5.6B 5.6V (VA007600)
  - LED  
LD121, 143: GL2PR6 RE (VH325200) PEAK, S  
LD122~124, 127~144: GL2HY6 YE (VJ471200) +6, 0, -6,  
VCA GROUP1-8, MUTE1-8, CUE/SOLO  
LD125, 126: GL2EG6 GR (VH325300) -10, -20
  - Mylar Cap.  
C150, 168: 0.0470 50V J  
C169: 0.1000 50V J (UA355100)
  - Ceramic Cap.  
C166, 167, 170, 171: F 0.0100 50V Z (FG644100)
  - Electrolytic Cap.  
C152: 100.00 16.0V (UJ838100)  
C155: 10.00 16.0V (UJ837100)  
C154: 4.70 25.0V (UJ846470)  
C149, 153: BP 4.7 25.0V (UK846470)
  - Metal Film Resistor  
R213, 215, 218: 10.0K 1/4 F (VA074400)  
R214: 270.0K 1/4 F (VB070600)  
R216: 30.0K 1/4 F (VA074700)
  - Resistor Array  
RA101: EXB-F11E104F (VN467900)
  - Trimmer Potentiometer  
VR125: B 10.0K (VA788000) Meter LED adj.  
VR126: B 47.0K (VA788300) VCA reference, voltage adj.
  - Push Switch  
SW112: SPUJ 2/2\*8 (VN018300) VCA GROUP1-8  
SW113: SPUJA5 2/2\*9 4/ (VN018500) MUTE1-8, S,  
CUE/SOLO
  - Connector Assembly  
CN118: SAN & PH 13P 60L  
CN119: SAN & PH 4P 60L  
CN120: SAN & PH 14P 60L  
CN121: 4P 80L

## Notes)

- Circuit Board: IN4 (VN024400)
- Metal Film Resistor  
R243: 6.2K 1/4 F (VB067200)
  - Variable Resistor with SW  
VR120: A20K 2/3 (VP255300) LEVEL/LEVEL L,  
PRE/OFF/POST  
VR122: A20K C20K 4/2 (VP255500) PAN/LEVEL R
  - Connector  
CN122: 5533-NAPB 6P SE

## Notes)

- Circuit Board: IN5 (VN024500) PAD
- Ceramic Cap.-SL  
C114: 33P 50V J  
C113: 68P 50V J
  - Metal Film Resistor  
R106: 510.0 1/4 F (VB064200)  
R104, 105: 2.0K 1/4 F (VB066200)  
R118: 8.2K 1/4 F (VB067400)  
R119: 20.0K 1/4 F (VB068000)
  - Connector  
CN201: MQ-BT 5P TE (VA252100)  
CN202: 07MQ-BT 7P TE

## Notes)

- Circuit Board: IN6 (VN024600)
- Ceramic Cap.  
C183, 184: B 470P 50V K
  - XLM Connector  
JK101: XLM-3-31PCH-L (VM651800) INPUT
  - Phone Jack  
JK102: 2P STEREO (VN327000) INSERT OUT/IN  
JK103: 1P STEREO (VN326800) DIRECT OUT
  - Base Post Connector  
CN125: PH-4P TE (VB390000)  
CN126: PH-3P TE (VB389900)  
CN128: PH-6P TE (VB390200)