

KDX 60 Main MCB Card

The Main KSU provides for many connections to external devices as well as for the stations and Trunks.

Connectors	Description
JR1	Serial Port 1 used for SMDR / PC Programming
JR2	Serial Port 2 used for Voice Mail Integration
JR4	Relay Interface 1 & 2 (Programmable)
JR5	External Page & Music Source Interface
JRC1 , JRE1 , JRA1 , JRG1	Digital Stations Ports 1 – 8
JR6	Trunk 1 & 2 RJ14 Interface
JR7	Trunk 3 & 4 RJ14 Interface
JR8	Single Line Ports 9 – 10
JR9	Single Line Ports 11 – 12
J1	10-Pin Connector to Power Supply
J4 , J6 , J8 , J9	Connector for Station Expansion Card (8 port)
J2 , J4 , J6	Connector for Trunk Exp Card (4 line)
J11 , J12	Connector for 12 KHz / 16KHz Tone Detector unit (Note)

Note : without TDU Card should be plug in 10 pcs of mini Juper on J12.

Switches	Description
SW1 Dip 1	Not Used
SW1 Dip 2	Ignore RTS & CTS on COM1
SW1 Dip 3	Not Used
SW1 Dip 4	Not Used
SW1 Dip 5	Not Used
SW1 Dip 6	“ON” = 3 Digit ICM numbering / “OFF” = 2 Digit ICM numbering
SW1 Dip 7	Not Used
SW1 Dip 8	Not Used

Switches	Description
SW2	Memory Back up Switch
SW3	System Reset Switch

LED	Description
LED1	Memory Back-up Battery “ON” Indicator
LED2	CPU Status (Steady Flash indicates normal operation)
LED3	Single Line Ports 9 – 12 Ring Busy status.
LED4	Monitoring RS232 Data communication.
LED5	Monitoring RS232 Data communication.
LED6	Monitoring RS232 Data communication.
LED7	Monitoring RS232 Data communication.

See Figure 3 for connector, switches & LED locations.

Hardware Options

Backup Battery

The system power supply supports a backup battery package rated at 24 volts, 0.7 amperes/hour. A trickle-charge maintains the battery at 95% efficiency, applies system cutover to battery when facility power is removed, and provides system shutdown when battery power falls below a specified level.

External Music

Up to one (customer supplied) monaural music sources can be connected at the optional equipment jack (JR5) located on the left side of the KSU. The connected music is available to the system only if programmed using system Programming (PROG. 1-37 and 2-75) the impedance of the music source must be 32ohms with power at approximately 100 milliwatts.

Note: *An internal music source is available and is selected through system programming by default.*

Note: *In some circumstances there may be broadcast restrictions associated with the external music source. Check with the sources original distributor and/or the radio station for copyright and broadcast restrictions concerning background music and music-on-hold.*

External Paging

The system supports a customer supplied amplifier for paging access to a single paging zone. The amplifier can be connected at the optional equipment jack (JR5) located on the left side of the KSU. Access is provided for 8 paging zones. The output for zones 1-7 must be connected through station ports and must be assigned by system programming (PROG.3-35).

External Relays

The system supports 2 external relays for multiple functions such as station, trunk, loud-bell, Paging, Music, and Door strike control. The customer supplied optional equipment can be connected at the optional equipment jacks (JR4) located on the left side of the KSU. The contacts can be programmed (PROG.3-40 and 3-41) for normally “open” or “closed” depending on customer needs.

Caller I.D.

The system supports Caller I.D. offering Name or Number display. The caller I.D feature is programmed in the system database (PROG.1-05, 2-26 and 2-73). Caller I.D. number is reported to SMDR print-out (see figure 6).