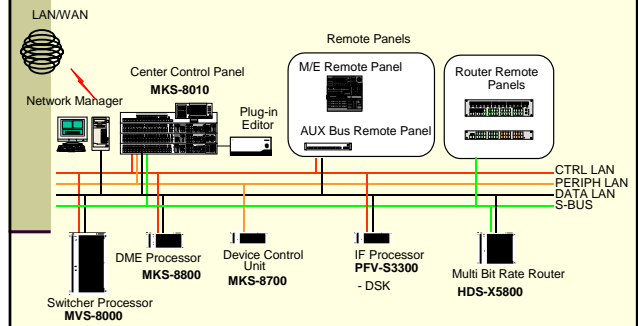


1

MVS-8000 Maintenance Overview MVS-8000 Installation

MVS-8000



Video Signal Connection

- Refer to MVS-8000 O/M page 11 or
 - [1a MVS8000 System Wiring from Setup Manual.pdf](#)
- Connection between MVS-8000 and MVE-8000
 - DME 1A/1B <-> SWITCHER A/B

Connection of Panels

- Refer to CCP-8000 O/M page 15
 - Max. cable length between MKS-8010 and Main Panel is 5m.
 - Connection of MC/USB Module
 - Mounted in Main Panel : DEVICE(Main Panel) <-> HOST
 - Mounted in AUX Module: DEVICE(AUX Panel) <-> HOST
 - Mounted in EXT Adaptor: DEVICE(Extension Box) <-> HOST
 - Limitation of External modules
 - Max. 8 modules can be connected to one EXT PANEL port.
 - Max. length between modules is 10m.
 - Total cable length must be less than 30m.
- * 4 of Key Control modules and a 10 key module can not be connected together.

Modules connection

- Up to 8 modules can be connected to one EXT PANEL port.
- There are 3 EXT PANEL port on a MKS-8010 (SCU)

Module	Max. number	Module Description
MKS-8013/14	2	32/24 Aux panel
MKS-8026	1	10 Key Pad
MKS-8030	1	Key Frame
MKS-8031TB	1	Trackball Module
MKS-8035	4	Key Control Module
MKS-8032	4	DSK Fader

LAN connection

- Refer to MVS-8000 O/M page 12
- Each LAN communicates through Ethernet Switch
 - Control LAN and Data LAN must be separated.
 - Peripheral LAN can be connected with Ethernet crossover cable without switch.
 - If there are 2 DCU in a LAN, Ether SW is required.

Ethernet Switch – Recommendation

- Netgear Ether Switch
 - FS516

Ethernet Switch – Specification

- Must be Ethernet Switch (Layer 2 or 3)
 - Ether Hub can not be used.
- Throughput: 120Kpps or more (per port) Packet size 64Byte
- (Backbone: 1.5 Gbps or more)
- Total Throughput: 3Mpps or more
- Packet Delay: 50 usec or less
- 100 Base TX
- VLAN capable*1
- Dual on all ports
- Switching: Store and Forward
- SNMP, RMON Capable ... For Remote Maintenance
- Port Mirroring

*1 VLAN is not necessary when each LAN, CTRL and DATA, has own Ethernet Switch.

Maximum LAN connection

- Control LAN
 - MVS 1 or 2 units
 - MVE Up to 4 units
 - Panel Up to 4 units
- Peripheral LAN
 - Panel Up to 4 units
 - DCU 1 or 2 units

Network Setup

- IP Addresses of each unit
 - Set by Dip-switch
 - Each unit must have unique Control, Peripheral, Data LAN, and Host Name.



Model	Board	Group ID	Unit ID
MVS-8000	CA-44	S002	S003
MVE-8000	CA-44CF	S102	S103
CCP-8000	CA-45	S901	S902
DCU-8000	CA-47	S754	S755

IP Address

- Local Address for MVS system
 - 10.AA.BB.CC
- Meaning of each byte

10	AA	BB	CC
Fixed	LAN Group Definition Group ID	Model Code (Fixed by model) Panel: 1 MVS: 2 DME: 3 DCU: 5	Unit ID * In case 2 or more same model are connected to LAN, unit ID must be different.
	Control: 0~63 Peripheral: 64~127 Data: 128~191		

Default Setup (IP setup)

Model	IP	Host name	Dip-switch
MVS-8000	10.1.2.1(C) 10.129.2.1(D)	SWR001C001 SWR001D001	<div style="display: flex; justify-content: space-around;"> <div>Group ID </div> <div>Unit ID </div> </div>
MVE-8000	10.1.3.1(C) 10.129.3.1(D)	DME001C001 DME001D001	
CCP-8000	10.1.1.1(C) 10.65.1.1(P) 10.129.1.1(D)	PNL001C001 PNL001P001 PNL001D001	
DCU-8000	10.65.5.1(P)	DCU001P001	

