Selecting the PBX Type on a Link 150 M3

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Hardware Revisions:	All		**Status:**	Approved
Product Type:	Link 150 M3		**Revision:**	B
Access Level:	General			

Description
When installing a Link 150 M3 Master Control Unit (MCU), the PBX type must be selected before the system will run. If the system does not have a PBX type selected, the system will alarm.

Process
Use the following steps to set the PBX type on the MCU:

1. Power on the MCU with the Operators Switch in Normal.
   When you power on a new MCU, it will not have any PBX type configured. Once you power on the system, it will alarm. The Error LED will flash along with Status LEDs 1,2,3,4 and 5, to indicate that the MCU is not configured. This should take less than 2 minutes.

2. Power off the MCU.

3. Move the Operators Switch to Admin and power on the MCU.
   At that time Status LEDs 2 and 4 will be lit. This should take less than 15 seconds.

4. Press the STEP button 3 times.
   Status LEDs 1,2 and 4 must be lit. Line LEDs 1 through 8 should also be lit. If there is some other combination of Line LEDs lit, then a PBX type has already been selected. Go to step 5 to pick the desired PBX type.

5. Press the DEL/ENTER button to pick the correct PBX type.
   With each press of the DEL/ENTER button, a different series of Line LEDs will be lit. Continue to hit DEL/ENTER button until the correct Line LEDs are lit. Use the following list to select the desired PBX integration.

PBX Type	Line LEDs	MCU Type	Notes
Unconfigured	1 through 8		
None	No Line LEDs		DO NOT USE
Analog	1	SCA516	The SCA will only support Analog
Norstar	2	SCU516	
Meridian	1,2	SCU516	
Comdial	3	SCU516	
Merlin Legend	1,3	SCF516	
Toshiba	2,3	SCU516	
Mitel	1,2,3	SCX516	The SCX will only support Mitel
Siemens / Rolm	4	SCU516	
2wire Definity	1,4	SCU516	
Fujitsu	2,4	SCU516	
NEC	1,2,4	SCU516	
ISDN-C	3,4		Not Available at this time
ISDN-N	1,3,4		Not Available at this time
Inter-Tel Access	2,3,4	SCU516	
Panasonic	5	SCP516	
4wire Definity	1,5	SCF516	
Executone	2,5	SCB516	
Siemens HiCom 150	1,2,5	SCH516	The SCH will only support HiCom
Siemens HiCom 300	3,5	SCH516	The SCH will only support HiCom
Inter-Tel Eclipse	1,3,5	SCU516	

6. Move the Operator Switch back to Normal.
   At this time the MCU will go through the normal power up sequence and is properly configured. The system should come up in less than 2 minutes.

Additional Information
If the PBX type does not match the MCU type, the System will alarm. If you select a PBX type that is not supported by the MCU type, the system will alarm. (i.e. if you configure a SCB516 – Executone MCU for NEC digital integration.) The Error LED will flash along with Status LEDs 4 and 5. Use the table above to verify that the MCU type that you have supports the PBX type you have selected. If this alarm appears, change the PBX type to match the MCU type by doing steps 2 through 6 again.

The companding type should also be verified at the same time. If the companding type is not set properly, then the voice quality of the SpectraLink system may sound distorted. The default is set at Mu-law, which is standard for North America. Systems outside of North America may need to change to A-law. Use the following steps to verify the companding type that is set on the MCU.

1. Power off the MCU.

2. Move the mode switch to ADMIN

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3. Power on the MCU. Status LEDs 2, 3, and 4 will be solid green.

4. Press the STEP button twice. Status LEDs 2 and 5 will be solid green.

5. If Line LED 1 is lit, then the system is set for Mu-law.
    If Line LED 2 is lit, then the system is set for A-law.

6. Press the DEL/ENTER button to toggle between Mu-law and A-law.

7. Move the mode switch back to NORMAL when complete.

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