

 A RailWorks Company	LANTRONIX MSS1 MICRO SERIAL SERVER SETUP		
	Effective: 12/10/18		Revision: A

Initial Setup of a Lantronix MSS1 Micro Serial Server

To setup a Lantronix MSS1 Micro Serial Server from scratch, it is necessary to reset the MSS1 to its factory defaults and then connect it to a serial port. This is the procedure described in these instructions.

This document covers preliminary setup commands issued while connected to the serial port. After this procedure it is necessary to logout of the serial port. However, it will be ready to connect to the MSS1 over the network to complete the setup.

To reset the MSS1 to the factory defaults, first disconnect the power from the unit. Then, through the hole next to the power connection, press the Reset button for several seconds while reconnecting power.

Connect a null modem and a modem cable from COM1 on a PC to the serial port on the Lantronix MSS1. (An HSQ RTU Diagnostics cable will also work.) Adapters may be necessary, depending on how the connection is made.

Set *Hyperterm* on the PC for COM1, 9600 baud, 8 bits, no parity one stop, no flow control, and press **[Call]**.

Press <Return> and after a few seconds the MSS1 should give a prompt.

The following is a sample session where:

- The **LAT** Circuit Timer is changed to 30ms.
- The name is changed to DEMSR9
- An IP address is provided.
- Both **TELNET** and **LAT** logins are allowed (**CHANGE INCOMING BOTH**).

LANTRONIX MSS1 MICRO SERIAL SERVER SETUP

Lantronix MSS1 Version BM3.4/6(970224)
Type HELP at the 'Local_1 ' prompt for assistance.

Username> system

Local_1 set priv

Password> system *** This will not be echoed back to you.

Local_1>> show server

MSS1 Version BM3.4/6(970224)	Uptime:	0:06:22
Hardware Addr: 00-80-a3-0f-ae-b2	Name/Nodenum:	MSS_0FAEB2/ 0
Ident String: Micro Serial Server		
Inactive Timer (min): 30	Serial Delay (msec):	30
Password Limit: 3	Session Limit:	4
Queue Limit: 32	Node/Host Limits:	50/20
LAT Circuit Timer (msec): 30	Keepalive Timer (sec):	20
Multicast Timer (sec): 30	Retrans Limit:	10
TCP/IP Address: (undefined)	Subnet Mask:	(undefined)
Nameserver: (undefined)	Backup Nameserver:	(undefined)
TCP/IP Gateway: (undefined)	Backup Gateway:	(undefined)
Domain Name: (undefined)	Daytime Queries:	Enabled
	TCP Keepalives:	Enabled
Load Address: 00-00-00-00-00-00	Prompt:	Local_%n%P>
Characteristics:		
Incoming Logins: Telnet (No Passwords Required)		
LAT Groups: 0		

Local_!>> help change

Enter one of the following commands/suboptions:

ACCESS	AUTOBAUD	AUTOSTART	BACKWARD
BOOTP	BREAK	BUFFERING	CHARSIZE
DEDICATED	DOMAIN	DSRLOGOUT	DTRWAIT
FLOW	FORWARD	GATEWAY	INACTIVE
INCOMING	IPADDRESS	IPSECURITY	LAT
LOADHOST	LOCAL	LOGINPASS	MODEM
NAME	NAMESERVER	NETWORK	PARITY
PASSFLOW	PASSWORD	PREFERRED	PRIVPASS
RARP	RETRANSMIT	RLOGIN	SECONDARY
SERIAL	SESSION	SIGNAL	SILENTBOOT
SOFTWARE	SPEED	STARTUP	STOPBITS
SUBNET	SLOWTRANSIT	TERMTYPE	VERIFY

Local_1>> help change lat

Enter one of the following commands/suboptions:

CIRCTIMER GROUPS IDENTIFICATION

Local_1>> change lat circ timer 30

Local_1>> change name demsr9

Local_1>> change ipaddr 192.0.63.32

Local_1>> change incoming both

Local_1>> show server

LANTRONIX MSS1 MICRO SERIAL SERVER SETUP

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MSS1 Version BM3.4/6(970224)          Uptime:                0:08:26
Hardware Addr: 00-80-a3-0f-ae-b2      Name/Nodenum:          DEMSR9/ 0
Idnet String: Micro Serial Server
Inactive Timer (min):                30    Serial Delay (msec):    30
Password Limit:                      3      Session Limit:         4
Queue Limit:                         32     Node/Host Limits:      50/20
LAT Circuit Timer (msec):             30    Keepalive Timer (sec): 20
Multicast Timer (sec):               30     Retrans Limit:         10
TCP/IP Address:                      192.0.63.32 Subnet Mask:           255.255.255.0
Nameserver:                          (undefined) Backup Nameserver:     (undefined)
TCP/IP Gateway:                      (undefined) Backup Gateway:        (undefined)
Domain Name:                         (undefined) Daytime Queries:      Enabled
                                           TCP Keepalives:       Enabled

Load Address: 00-00-00-00-00-00      Prompt:                Local_%n%P>
Characteristics:
Incoming Logins: LAT Telnet (No Passwords Required)
LAT Groups: 0

Local_1>> logout

Exiting the Lantronix MSS1
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Now it is possible to proceed to the next step in the MSS1 setup.