



Reference Guide



**Xyplex LAT-TCP/IP
Communications Software**

Xyplex, Inc.

Commands Reference Guide

Xyplex LAT-TCP/IP Software

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Graphic Conventions

The following graphic conventions are in use throughout this Guide:

italics represent command variables.

* indicate the default setting for an option.

UPPER CASE LETTERS represent letters which must be typed in order for the command to be unambiguously understood by the software.

(P) indicates that the user must be at a privileged port to use this command.
(N) indicates that the command is available for user by non-privileged users.
(S) indicates that the command is available for use by secure users.

[] indicate that the text is a command option or variable.

shaded text indicates that the command or option is related to operation with Telnet protocols.

Introduction

This *Commands Reference Guide* shows the command syntax for all commands supported by the Xyplex LAT-TCP/IP software. These commands are organized by function, as follows:

1. Session Management Commands
2. Terminal Server Setup and Management Commands
3. Service Management Commands
4. Information Display Commands
5. Maintenance Commands
6. Miscellaneous Commands
7. Command-Line Editing

1. Session Management Commands

- (S) Backwards
- (S) Connect [[SERVice] *service-name*] [NODE *node-name*] [DESTination *port-number*]
[*domain-name*[:*telnet-port-number*]]
[*internet-address*[:*telnet-port-number*]]
- (P) Connect [PORT *port-number*] *service-name* [NODE *node-name*] [DESTination *port-number*]
[*domain-name*[:*telnet-port-number*]]
[*internet-address*[:*telnet-port-number*]]
- (S) Disconnect [Session [*session-number*]]
[ALL]
- (P) Disconnect [PORT] [*port-number*]
- (S) Forwards

- (S) LA_t Connect [[SERVice] *service-name*] [NODe *node-name*] [DEStination *port-number*]
- (P) LA_t Connect [POrt *port-number*] *service-name* [NODe *node-name*] [DEStination *port-number*]
- (S) LOGout [Port]
- (P) LOGout Port *port-list*
- (S) LOCK
- (S) Resume [[SESSion *session-number*]
- (S) TELnet Connect [*domain-name*[:*telnet-port-number*]]
[*internet-address*[:*telnet-port-number*]]
- (P) TELnet Connect [POrt *port-number*] [*domain-name*[:*telnet-port-number*]]
[*internet-address*[:*telnet-port-number*]]

2. Terminal Server Setup and Management Commands

The basic syntax for the DEFINE PORT and SET PORT commands is:

[DEfine] Port [*port-list*] [characteristic] [characteristic(s)]
[SEt] [ALL]

The following list summarizes the port characteristics which can be defined:

- (P) [ACcess] [Dynamic]
 [LOCal]*
 [NONE]
 [Remote]
- (P) [AUTHorized groups] [*group-list*] [Disabled]
 [Enabled]
 [ALL] [Disabled]
 [Enabled]

- (P) [AUTOBaud] [Disabled]
[Enabled]*
- (N) [AUTOConnect][Disabled]*
[Enabled]
- (S) [AUTOPrompt] [Disabled]
[Enabled]*
- (S) [Backward switch] [*character*]
[NONE]*
- (N) [BREak] [Disabled]
[Local]*
[Remote]
- (N) [BROadcast] [Disabled]
[Enabled]*

- (N) [CHaracter size] [7]
[8]*
- (P) [DEdicated service] [service-name] [NODE] [node-name] [DESTination] [port-number]
[NONE]*
[port-number]
[NONE]*
[port-number]
[NONE]*
[port-number]
[NONE]*
- [NONE]* [NODE] [node-name] [DESTination] [port-number]
[NONE]* [DESTination] [port-number]
[NONE]*
- [domain-name[:telnet-port-number]]
[internet-address[:telnet-port-number]]
- (P) [Dialup] [Disabled]*
[Enabled]
- (P) [DSrlogout] [Disabled]*
[Enabled]

(P) [DTrwait] [Disabled]*
[Enabled]
[FORConnection]
[FORRing]

(N) [FLoW control] [CTs]
[Disabled]
[DSr]
[Enabled]
[Xon]*

(S) [FORward switch] [*character*]
[NONE]*

(N) [Groups] [*group-list*]
[ALL]
[Disabled]
[Enabled]

(P) [INActivity Logout] [Disabled]*
[Enabled]

(N) [INPut Flow control] [Disabled]
[Enabled]*

(P) [INTerrupts] [Disabled]*
[Enabled]

(P)	[LAT Dedicated service]	[service-name]	[NODE]	[node-name]	[DEStination]	[port-number] [NONE]*
				[NONE]*	[DEStination]	[port-number] [NONE]*
		[NONE]*	[NODE]	[node-name]	[DEStination]	[port-number] [NONE]*
				[NONE]*	[DEStination]	[port-number] [NONE]*

(N)	[LAT Preferred service]	[service-name]	[NODE]	[node-name]	[DEStination]	[port-number] [NONE]*
				[NONE]*	[DEStination]	[port-number] [NONE]*
		[NONE]*	[NODE]	[node-name]	[DEStination]	[port-number] [NONE]*
				[NONE]*	[DEStination]	[port-number] [NONE]*

(S) [LOCAL SWItch] [*character*]
[NONE]*

(N) [LOSs Notification] [Disabled]
[Enabled]*

(N) [MESSage codes] [Disabled]
[Enabled]*

(P) [MODEm control][Disabled]*
[Enabled]

(P) [NAme] [*port-name*]

(N) [PARity] [Even]
[NONE]*
[Odd]

(P) [PASsword][Disabled]*
[Enabled]

(N) [PAUse] [Disabled]*
[Enabled]

(P) [PREFerred service] [service-name] [NODE] [node-name] [DESTination] [port-number]
 [NONE]* [NONE]*
 [port-number]
 [NONE]* [DESTination]
 [NONE]* [port-number]
 [NONE]* [DESTination]
 [port-number]
 [NONE]* [DESTination]
 [port-number]
 [NONE]*

[domain-name[:telnet-port-number]]
 [internet-address[:telnet-port-number]]

(P) [Prompt] ["prompt-string"]

(P) [QUeuing] [Disabled]*
 [Enabled]

(P) [REsolve service] [Any]*
 [Lat]
 [Telnet]

(P) [SECurity] [Disabled]*
[Enabled]

(P) [SESSion limit] [*session-limit*]
[None]

(N) [SPeed] [*speed*]

(S) [TElnet ABort output] [*character*]
[NONE]*

(S) [TElnet ATtention] [*character*]
[NONE]*

(P) [TElnet DEDicated service] [*domain-name[:telnet-port-number]*]
[*internet-address[:telnet-port-number]*]

(N) [TElnet DEFault port] [*telnet-port-number*]

- (N) [TElnet Echo mode] [LOCal]
[Remote]
- (S) [TElnet ERase CHAracter] [*character*]
[NONE]*
- (S) [TElnet ERase LIne] [*character*]
[NONE]*
- (S) [TElnet INterrupt][*character*]
[NONE]*
- (S) [TElnet NEwline] [CR/NULL]
[CR/LF]
- (N) [TElnet OPTion display] [Disabled]
[Enabled]
- (P) [TElnet PReferred service][*domain-name[:telnet-port-number]*]
[*internet-address[:telnet-port-number]*]

- (S) [TEInet QUeRY] [*character*]
[NONE]*
- (S) [TEInet SYnchronize] [*character*]
[NONE]*
- (N) [TEInet TRAnsmit] [Buffered]
[Immediate]*
- (S) [TYPE] [ANSi]
[Hardcopy]
[Softcopy]*
- (N) [TYPEAhead size] [size]
- (N) [Username] [*name*]
- (S) [VErification] [Disabled]
[Enabled]*

All DEFINE SERVER and SET SERVER commands require that the user be logged on to a privileged terminal. The basic syntax for the DEFINE SERVER and SET SERVER commands is:

```
[DEfine] SERVEr [characteristic] [characteristic(s)]  
[SEt]
```

The following list summarizes the server characteristics which can be defined:

```
[ANnouncements] [Disabled]  
[Enabled]*
```

```
[BROadcast] [Disabled]  
[Enabled]*
```

```
[CIRcuit timer] [timer-value]
```

```
[DAte] [dd mmm yyyy]
```

[DUmp] [Disabled]
 [Enabled]*

[IDentification] [*message-string*]

[INActivity timer] [*time*]

[INternet Address][*internet-address*]

[INternet BRoadcast address] [*internet-address*]

[INternet DEFault domain suffix] [*domain-name*]

[INternet [PRImary] DOMain address] [*internet-address*]
 [SECondary]

[INternet [PRImary] GATeway address] [*internet-address*]
 [SECondary]

[INternet SUBnet mask][*internet-address-mask*]

[Keepalive timer] [*timer-value*]
 [LOCK] [Disabled]
 [Enabled]*
 [LOGin] [PASsword *password*]
 [PRompt *prompt*]
 [MAintenance password] [*password-number*]
 [MUlticast timer] [*time*]
 [NAME] [*server-name*]
 [NODE limit] [*limit*]
 [NONE]
 [NUmber] [*server-number*]

[PARameter Server] [CHeck][Enabled]*
[Disabled]
[Timer] [*timer-value*]

[Limit] [*number*]

[Retransmit] [Limit *limit*]
[Timer *number*]

[PASsword Limit] [*limit*]
[None]

[PRIVileged password] [*password*]
[NONE]

[Queue limit] [*queue-limit*]
[None]

[RETransmit limit] [*limit*]

[SERVice groups] [*group-list*] [Disabled]
[Enabled]
[ALL] [Disabled]
[Enabled]

[SESSion limit] [*limit*]
[None]

[SOFTWARE] [*filename*]

[Time] [*hh:mm:ss*]

[Welcome] [*"message"*]

All DEFINE SERVICE and SET SERVICE commands require that the user be logged on to a privileged terminal. The basic syntax for the DEFINE SERVICE and SET SERVICE commands is:

```
[Define]      SERvice [service-name]    [characteristic(s)]  
[Set]
```

The following list summarizes the service characteristics which can be defined:

```
[CONnections] [Disabled]  
              [Enabled]
```

```
[IDentification] [identification-string]
```

```
[PASsword]    [password]
```

```
[POrts]       [port-list] [Disabled]*  
              [Enabled]  
              [ALL]  [Disabled]*  
                  [Enabled]
```

[Queue] [Disabled]
 [Enabled]*

The following miscellaneous SET commands require the user to be logged on to a privileged terminal.

SEt Parameter Server NODe *node-name* [ADDRESS *ethernet-address*]

SEt SESSion [Interactive]*
 [PASSall]
 [PASThru]

SEt [PRIVileged]
 [NOPrivileged]*

3. Service Management Commands

CLear [SERVice] [*service-name*]
[LOCAL]

Purge Service [*service-name*]
[LOCAL]

REMOVe Queue [ENTry *entry-number*]
[NODE *node-name*]
[SERVice *service-name*]
[ALL]

4. Information Display Commands

LlSt [POrts] [*port-list*] [CHaracteristics]
SHow [COunters]
Monitor [STatus]
[SUMmary]
[ALternate CHaracteristics]
[ALL] [CHaracteristics]
[COunters]
[STatus]
[SUMmary]
[ALternate CHaracteristics]
[ACcess] [DYnamic] [CHaracteristics]
[LOCAL] [COunters]
[REmote] [STatus]
[NONE] [SUMmary]
[ALternate CHaracteristics]

List [SErVEr] [CHaracteristics]
SHow [COunters]
Monitor [STatus]
[SUMmary]
[ALternate Status]
[INternet]

List [SErVice] [*service-name*] [CHaracteristics]
SHow [STatus]
Monitor [SUMmary]
[LOCal] [CHaracteristics]
[STatus]
[SUMmary]
[ALL] [CHaracteristics]
[STatus]
[SUMmary]

Monitor NODEs [*node-name*] [COunters]
SHOW [STATUS] [SUMmary]
[ALL] [COunters] [STATUS] [SUMmary]

Monitor [PARameter Servers]
SHOW

Monitor QUEUE [ALL] [ENtry *entry-number*]
SHOW [NODE *node-name*]
[PORT *port-number*]
[SERVice *service-name*]

Monitor SESSion [POrt *port-list*]
SHow [ALL]

Monitor Users
SHOW

Zero [Counters] [NODE node-name]
[POrt port-list]
[ALL]

5. Maintenance Commands

CHeck Parameter Server

CLear [Parameter Server *node-name*]

CRASH

INItialize [Server] [Delay] [*delay-time*]
[Cancel]

REMOte Console [NODe *node-name*] [[MAintenance] [PASsword *password*]
[*ethernet-address*] [MAintenance][PASsword *password*]

Test [Loop][Ethernet-address-t]	[Help Full Assistant] [Ethernet-address-a] [Help Receive Assistant] [Ethernet-address-a] [Help Transmit Assistant] [Ethernet-address-a]	
[Port] [port-number] [Count n] [Width n] [Loopback] [External] [Internal]		
[Service] [<i>service-name</i>] [N] [Node node-name] [Count n] [Width n] [Loopback]		[External] [Internal]

6. Miscellaneous Commands

BRoadcast [Port *port-list*] [*message*]
[ALL] [*message*]

Help[INTroduction]
[*topic(s)*]

7. Command Line Editing Features

Command/Key	Description
<Return>	Terminate the current command line, and execute a command.
<CTRL> / <A>	Alternate between the insert character and overstrike character modes of operation.
<CTRL> / or up-arrow key	Recall the previous command.
<CTRL> / <D> or left-arrow key	Move the cursor one position to the left.
<CTRL> / <E>	Place the cursor at the end of the current command line.
<CTRL> / <F> or right-arrow key	Move the cursor one position to the right.

<CTRL>/<H>	Place the cursor at the beginning of the current command line.
<CTRL>/<N> or down-arrow key	Recall the next command in the command history.
<CTRL>/<R>	Re-display the current command line.
<CTRL>/<U>	Delete everything on the current command line, from the cursor position to the beginning of the line.
<CTRL>/<V>	Quote the next character.
<CTRL>/<X>	Delete the current command line.
<CTRL>/<Z>	Cancel an interactive operation (such as changing a password), or delete the current command line.
<Delete>	Delete the character to the left of the cursor.

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