



# Tech Info Library

## LW Pro 810: Non-AppleTalk Packets in Data Stream (11/94)

Revised: 11/9/94  
Security: Everyone

LW Pro 810: Non-AppleTalk Packets in Data Stream (11/94)

=====

Article Created: 15 February 1994  
Article Reviewed/Updated: 9 November 1994

TOPIC -----

When I used a network diagnostic tool on my network, I noticed that a variety of non-AppleTalk packets are being sent from my LaserWriter Pro 810. How do I turn each one off or on?

DISCUSSION -----

If you plan on using the RCF (Remote Console Facility) extensively you should order the manual "Apple LaserWriter Pro 810 TCP/IP - LAT Protocol and Command Reference" (Apple Part Number M2187LL/A).

RCF can be accessed a couple of different ways. The easiest is by Telnet, once the printer's IP address has been set. The other way is by using the RJ-12 maintenance port. This option requires a unique RJ-12 to mini DIN-8 cable. For further information on the maintenance port and cabling, refer to Section 2.3.2 and Appendix A of Part 1 in the LaserWriter Pro 810 Network Installation and Configuration Manual. Once the connections have been made, the default passwords for RCF are as follows:

RCF: password = ACCESS  
RCF Super User mode: password = SYSTEM

Enable or Disable a Protocol Stack

-----

Below is listed the RCF commands you can use to enable or disable the entire protocol stack. Use these commands to specify server options:

SET SERVER option(s)  
DEFINE  
CHANGE

Option: AUTHORIZED [PROTOCOL] APPLETALK [ENABLED | DISABLED]

LAT	[ENABLED   DISABLED]
NETWARE	[ENABLED   DISABLED]
TCPIP	[ENABLED   DISABLED]
ALL	
NONE	

Below is an example showing the disabling of TCP/IP:

```
change server authorized tcpip disabled
```

Specifying a protocol with no flag, enables that protocol and disables the rest.  
ALL enables all protocols. NONE disables them.

SET        Modifies the current database and takes effect immediately.  
            Parameters are reset to permanent (DEFINED or CHANGED) values  
            at the next login or initialization

DEFINE     Modifies the permanent database and takes effect next login or  
            initialization.

CHANGE     Modifies both databases immediately.

#### Enable or Disable Announcement Broadcasts

-----

Announcement broadcasts may also populate the network such as DECnet MOP  
(Maintenance Operation Protocol) or bootp in TCP/IP. Use this command to specify  
server options.

```
SET        SERVER option(s)
DEFINE
CHANGE
```

Option: ANNOUNCEMENTS [PROTOCOL]	LAT	[ENABLED   DISABLED]
	TCPIP	[ENABLED   DISABLED]
	RCF	[ENABLED   DISABLED]

Note: RCF enables or disables DECnet Mop.

Below is an example showing how to disable the DECnet MOP broadcasts:

```
change server announcements rcf disabled
```

SET        Modifies the current database and takes effect immediately.  
            Parameters are reset to permanent (DEFINED or CHANGED) values  
            at the next login or initialization

DEFINE     Modifies the permanent database and takes effect next login or  
            initialization.

CHANGE     Modifies both databases immediately.

#### Enable or Disable Netware Broadcasts

-----

Netware broadcasts are different, use this command to specify the preferred Ethernet mode that IPX uses.

```
SET      SERVER NETWORK IPX [DEFAULT | 802.3 | [ETHERNET_II [ether_type]]]
DEFINE                                     [REDISCOVER [minutes]]
CHANGE                                     [FAST [PRINTSERVER] ENABLE | DISABLE]
```

Below is an example showing how to disable Netware broadcasts:

```
change server network ipx rediscover 0
```

DEFAULT IPX will try both 802.3 and Ethernet II. The first one found will be selected.

802.3 IPX will only look for 802.3 Ethernet frames.

ETHERNET\_II IPX will only look for Ethernet II frames.

ether\_type If Ethernet II is selected the user can specify the Ethernet type in ASCII hex. For example, the Netware default is 0x8137. The Ethernet type is not changed if this is not specified.

REDISCOVER Triggers the rediscovery process. This process queries the network for newly configured Novell Print Servers and starts all remote printers found.

minutes If specified with the REDISCOVER keyword this sets the automatic interval at which REDISCOVERY takes place. The range is from 0-14 minutes, 2 is the default and 0 disables periodic rediscovery.

FAST Some versions of Netware pserver when run on original PC class machines (4.77mhz) require this option to be disabled.

#### Article Change History:

09 Nov 1994 - Updated article to include more RCF commands and clarity.

25 Oct 1994 - Updated article to include more RCF commands.

Support Information Services

Copyright 1994, Apple Computer, Inc.

Tech Info Library Article Number:14642