

## Ref Tek Software for the RT422

Special software is required to interface a workstation computer to an RT422 board installed in a Ref Tek 72A-series DAS unit. An RTP server communicates with the RT422 board. This allows a workstation to establish a connection to an RT422 board and transfer data from the DAS through the RT422 board to the workstation. It also allows the user to send commands to the DAS through the RT422 board and receive the responses.

The RTP server has a built-in client that saves the data to disk in a Ref Tek archive. Other RTP clients can connect to the RTP server concurrently, with each client receiving the data as it arrives from the RT422 board.

Ref Tek currently provides some level of support for five different platforms. The following table shows the software available from Ref Tek.

### RT422 (RTP) Software

	Windows		Linux	Solaris	
			i86	i86	Sparc
	9x	NT		v5.6+	v5.6+
<b>RTP server</b>	rtpudpcon.exe, <i>rtpd.ini</i>	rtpudpcon.exe, rtpudpsvc.exe, <i>rtpd.ini</i> , (svcsins.exe, svcrem.exe)	rtpd, <i>rtpd.ini</i>	rtpd, <i>rtpd.ini</i>	rtpd, <i>rtpd.ini</i>
<b>RTP monitoring</b>	rtpc.exe, ChkData.exe		rtpc	rtpc	rtpc
<b>Earthworm data client</b>	import_rtp.exe, <i>import_rtp.d</i> , reftek.scn		- (Earthworm does not run under Linux)	import_rtp, <i>import_rtp.d</i> , reftek.scn	import_rtp, <i>import_rtp.d</i> , reftek.scn
<b>Earthworm monitoring</b>	watch.exe		-	-	-
<b>Ref Tek archive data client</b>	arccreate.exe, arcbuild.exe, arcwrite.exe, arccopy.exe, arcinfo.exe, arcfetch.exe		arccreate, arcbuild, arcwrite, arccopy, arcinfo, arcfetch	arccreate, arcbuild, arcwrite, arccopy, arcinfo, arcfetch	arccreate, arcbuild, arcwrite, arccopy, arcinfo, arcfetch
<b>Scripts, Misc.</b>	generic_null_modem.inf, rtpdserviceinstall.bat		rtpd.s	rtpd.s	rtpd.s

Files in *italics* may need editing for a particular installation.

## Installation Instructions for Solaris

The following instructions assume that you have logged into your Solaris computer as 'root' (superuser).

1. Create a new user named 'reftek' with a home directory of the same name.
2. Create a subdirectory in the reftek home directory called 'rtp'.  
**mkdir ~reftek/rtp**
3. Copy all files from the appropriate directory of the CD into the rtp subdirectory.  
**cp \* ~reftek/rtp**
4. Move the script file 'rtpd.s' to the init.d directory of your system, renaming it as 'rtpd'.  
**mv ~reftek/rtp/rtpd.s /etc/init.d/rtpd**
5. Change the attributes (mode) of the script file to 544.  
**chmod 544 /etc/init.d/rtpd**
6. Create symbolic links to the script file in the rc3.d, rc2.d and rc0.d directories.  
**ln -s /etc/init.d/rtpd /etc/rc3.d/S75rtpd**  
**ln -s /etc/init.d/rtpd /etc/rc2.d/K10rtpd**  
**ln -s /etc/init.d/rtpd /etc/rc0.d/K10rtpd**
7. Change the ownership of all files in the rtp subdirectory to reftek.  
**chown reftek ~reftek/rtp/\***
8. Change the attributes of all files in the rtp subdirectory to 644.  
**chmod 644 ~reftek/rtp/\***
9. Change the attributes of all executable files in the rtp subdirectory to 4555.  
**chmod 4555 ~reftek/rtp/\*.**
10. Edit rtpd.ini as needed.
11. Edit import\_rtp.d as needed.

## Installation Instructions for Red Hat Linux

The following instructions assume that you have logged into your Red Hat Linux computer as 'root' (superuser).

1. Create a new user named 'reftek' with a home directory of the same name.
2. Create a subdirectory in the reftek home directory called 'rtp'.  
**mkdir ~reftek/rtp**
3. Copy all files from the appropriate directory of the CD into the rtp subdirectory.  
**cp \* ~reftek/rtp**
4. Move the script file 'rtpd.s' to the init.d directory of your system, renaming it as 'rtpd'.  
**mv ~reftek/rtp/rtpd.s /etc/rc.d/init.d/rtpd**
5. Change the attributes (mode) of the script file to 544.  
**chmod 544 /etc/rc.d/init.d/rtpd**
6. Create symbolic links to the script file in the rc3.d, rc2.d and rc0.d directories.  
**ln -s /etc/rc.d/init.d/rtpd /etc/rc.d/rc3.d/S75rtpd**  
**ln -s /etc/rc.d/init.d/rtpd /etc/rc.d/rc2.d/K10rtpd**  
**ln -s /etc/rc.d/init.d/rtpd /etc/rc.d/rc0.d/K10rtpd**
7. Change the ownership of all files in the rtp subdirectory to reftek.  
**chown reftek ~reftek/rtp/\***
8. Change the attributes of all files in the rtp subdirectory to 644.  
**chmod 644 ~reftek/rtp/\***
9. Change the attributes of all executable files in the rtp subdirectory to 4555.  
**chmod 4555 ~reftek/rtp/\*.**
10. Edit rtpd.ini as needed.
11. Edit import\_rtp.d as needed.