R-Quest

TrueNet Enterprise

User Manual

TrueNet ™

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Contents

TrueNet™ System Requirements

Microsoft Windows

Minimum System

Windows 2000 or Windows XP
800Mhz Pentium 3 or faster
128MB of RAM
1GB of Hard Disk space.
100Mbit Ethernet connection (TCP/IP)
Display 800x600 with 65536 Colors
CD-ROM drive (for installation)

Recommended System

Windows XP
2Ghz or faster Pentium 4
512MB RAM
100Mbit/1Gbit Ethernet connection (TCP/IP)
Display 1024x768 or higher with 16M Colors
CD-ROM drive (for installation)

Macintosh

Minimum System

OSX 10.2 (Jaguar)
450Mhz G4
256MB RAM
Java 1.4.2 or later (free update via apple.com)
Screen resolution 800x600 with Thousands of Colors
100Mbit Ethernet connection (TCP/IP)
CD-ROM drive (for installation)

Recommended System

OSX 10.3 (Panther)
1.6Ghz G5 or faster
512MB RAM
Java 1.4.2 or later (free update via apple.com)
Screen resolution 1280x1024 or higher with Millions of Colors
CD-ROM drive (for installation)
100Mbit/1Gbit Ethernet Connection (TCP/IP)

Things that effect system requirements

- The system requirements shown above assume a network of one or more duplicators running simple jobs via the TrueNet™ software. When the API is used to create dynamic ISO and/or print images targeting several duplicators at the same time, the system requirements may increase.

- The memory requirement when building print images depends on the printer being targeted. The lowest memory requirements are for the PowerPro thermal printer, with the largest memory requirements being for the Signature Pro. When building images for the Signature Pro, a minimum of 256MB is recommended.

- Building print images is very processor intensive, so a fast CPU is recommended.

- Building ISO images can be very processor and I/O intensive for short periods of time, so a fast CPU and fast hard disk are also recommended.

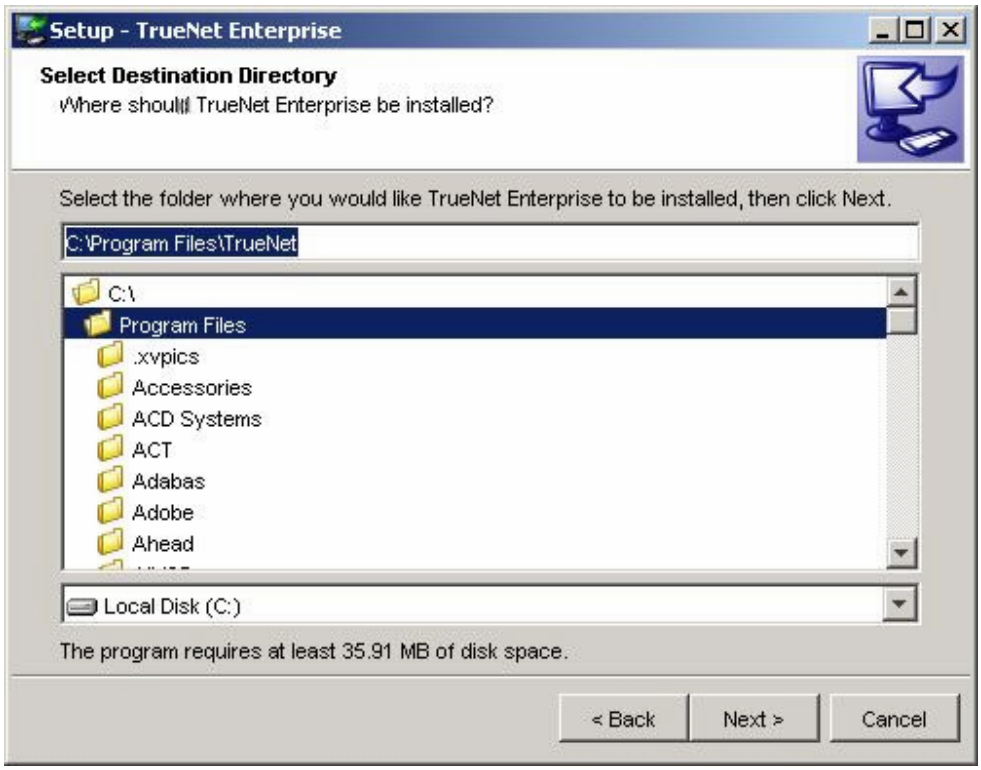
- For more information on system requirements, please contact R-Quest, or an authorised R-Quest Distributor.

Software Installation

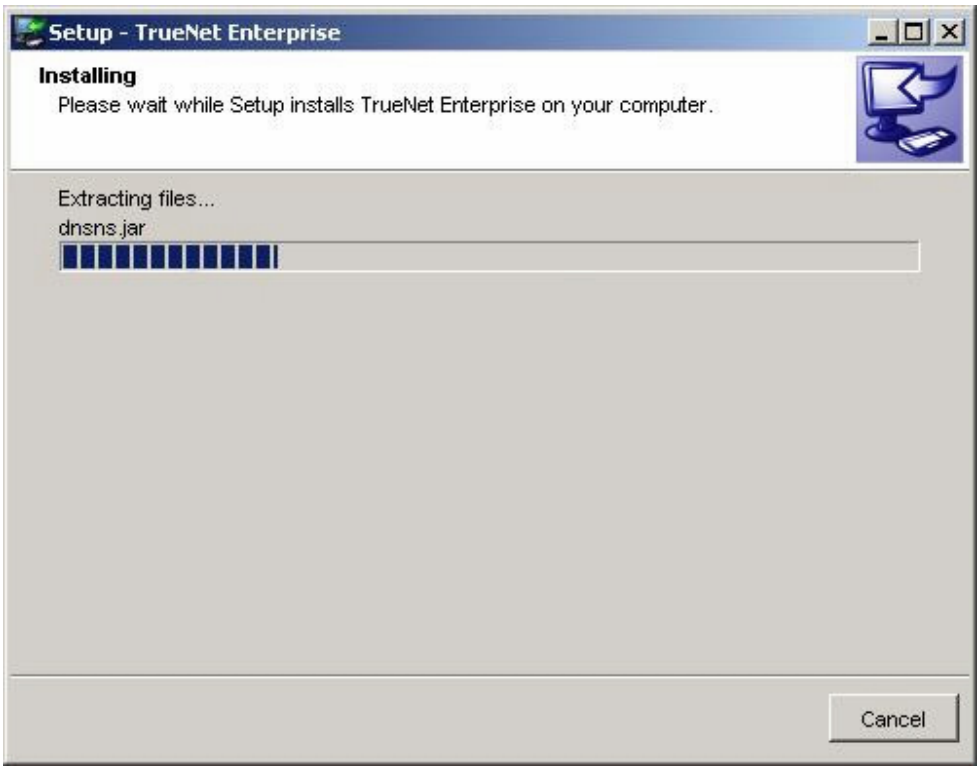
To install TrueNet™ , run the Installer (double click on the installer icon) and follow the on-screen instructions.

You will be guided through the installation process by the Setup Wizard.

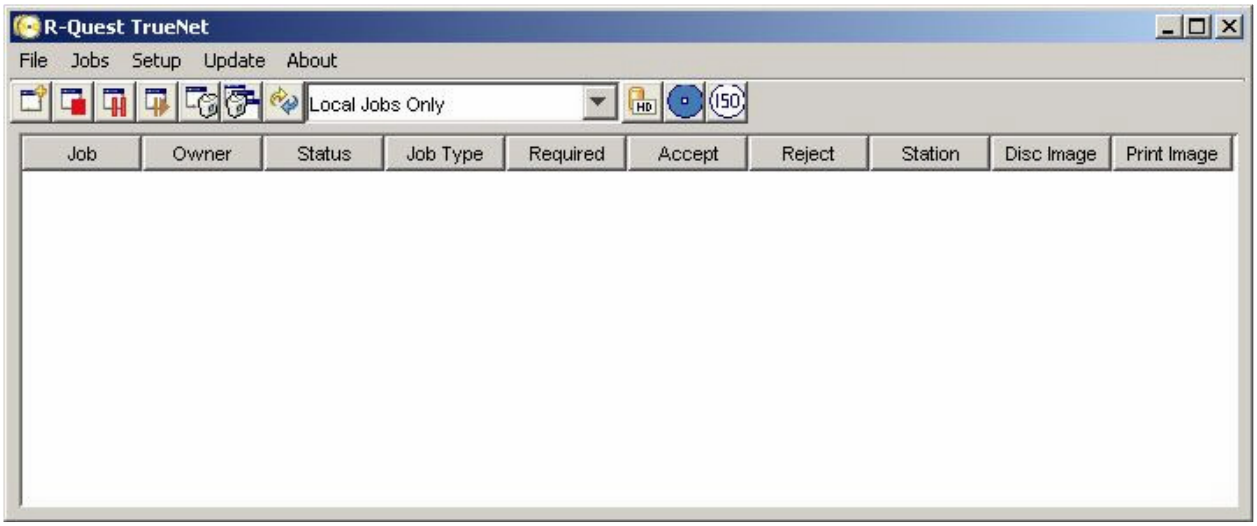
By default, TrueNet™ will install in the c:\Program Files\R-Quest directory. This can be changed if required.



The default installation directory is shown above.



TrueNet™ Configuration



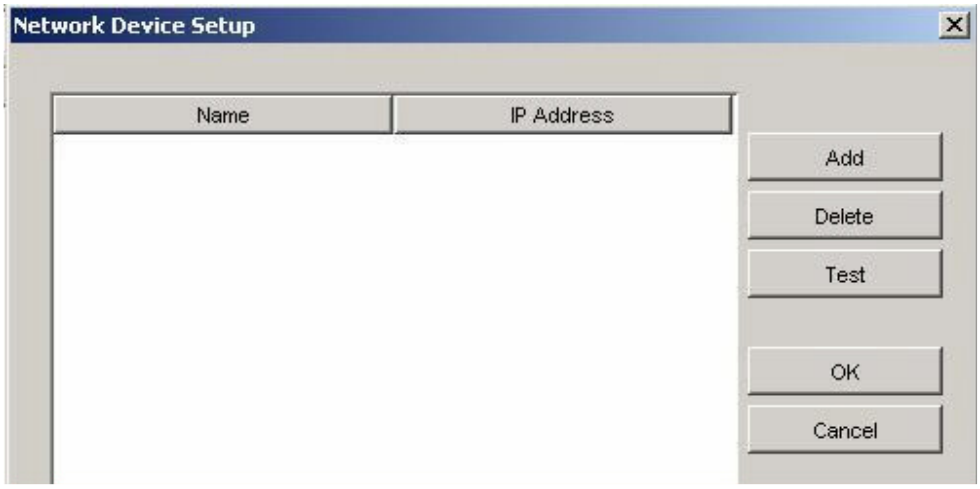
Before TrueNet™ can be used to run duplication or print jobs you will need to tell TrueNet™ about every device on the network that you plan to use. When TrueNet™ is first installed, no network devices are defined, and the following dialog will appear:

Selecting 'Yes' takes you to the Network Device Setup. See below:

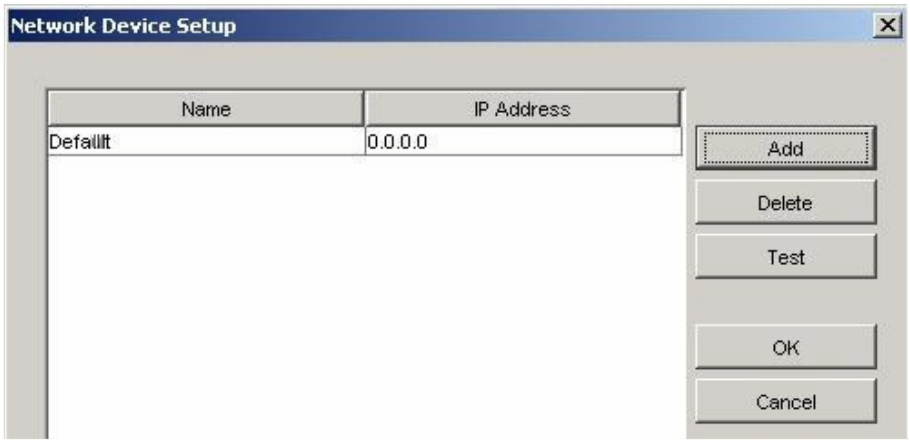
Selecting ‘No’ returns to the application without setting up any devices – but you will not be able to start any jobs or view any devices until you have completed the setup procedure. If you selected ‘No’ then you can setup the Network Devices later by selecting the “Network Devices” from the “Setup” menu.

You will need to know the fixed IP address of the network device, and if you are unsure of this address, please see Appendix A or check with your system administrator.

You will also need to choose a name for the device. This can be any alphanumeric name, but you should avoid using spaces within the name if you plan to use the API. If your naming convention expects a space, use the ‘_’ underscore or a hyphen ‘-‘ in place of the spaces.



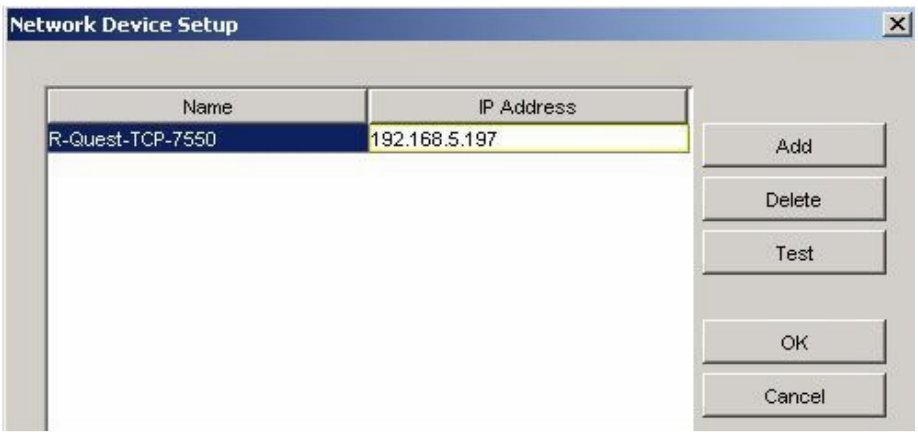
Click the ‘Add’ button to define a new network device. A new device will appear in the device list, with ‘Default’ as the name and an IP address of ‘0.0.0.0’. You could leave the name as ‘Default’, but adding a second device (also inserted as ‘Default’) may cause confusion at a later time, so we recommend choosing a unique and meaningful name for your environment. Typical names could be “Station_1” or “Duplicator_1” etc. Many people choose to give their Devices cherished names.



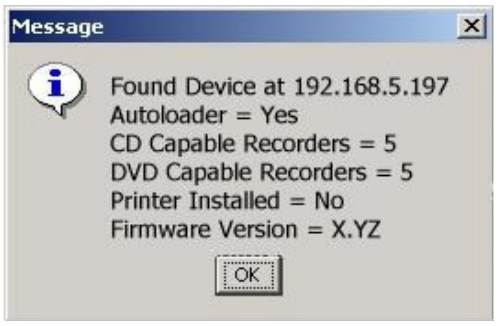
Click on the name entry (currently ‘Default’), and delete the current contents before entering the required name. Next, click on the IP Address entry (currently ‘0.0.0.0’), delete it, and enter the fixed IP address of the network device. Click on the name entry once more, and then click on the ‘Test’ button. This will test communications between your computer and the Network Device, and requires that your Network Device is already configured, connected to the network and is powered on.

An example of a device setup is shown below. The name given to this device was “R-Quest-TCP-7550”, and an IP address of 192.168.5.197 entered. The name you chose,

and the IP address will probably be different on your system.



Once a device has been successfully found – a box will appear displaying device information. The exact device details will vary with the type of Network Device you have, but will look something like this.

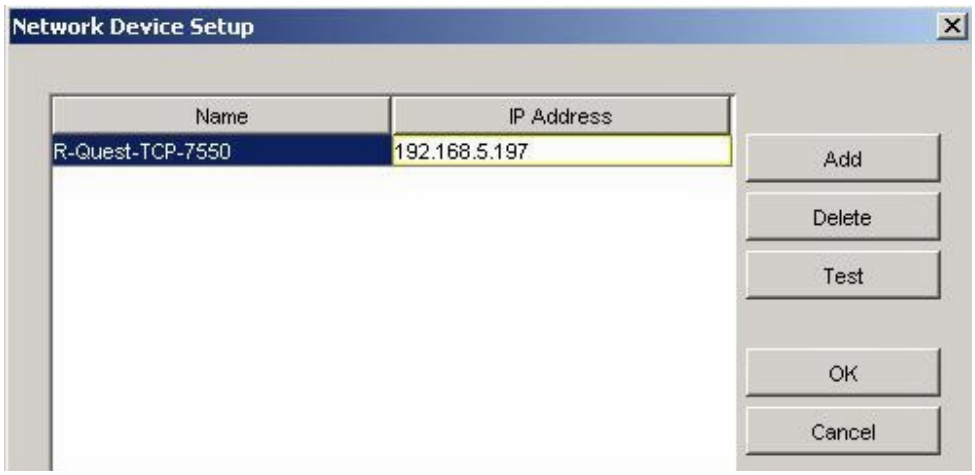


If no device is found, then a warning will appear as follows:

To add another device, repeat these steps starting with the "Add" button. Once you have added all the required devices, click the OK button to exist the setup mode.

Changing Network Device Name

A device name can be changed at any time by clicking on the name, deleting the current name and replacing it with the new name.



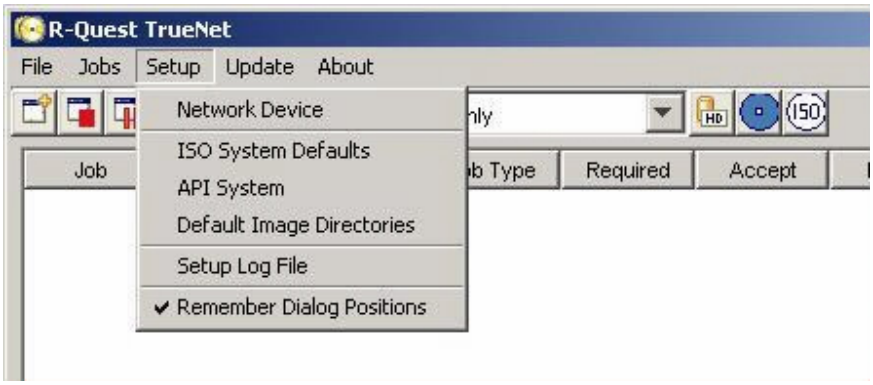
Any changes made will take effect immediately – and any pending jobs – or jobs in progress assigned to the old device name will now display the new name instead. However, it is recommended that a device only be renamed when no jobs are running, to avoid any problems with possible running API jobs.

Note:

The name assigned to a network device is used by the API to identify Network Devices. Ensure that no current or future API job will be prevented from running because of a name change. More details for the API can be found in the API section of this manual. Ensure that all Network Devices have unique names.

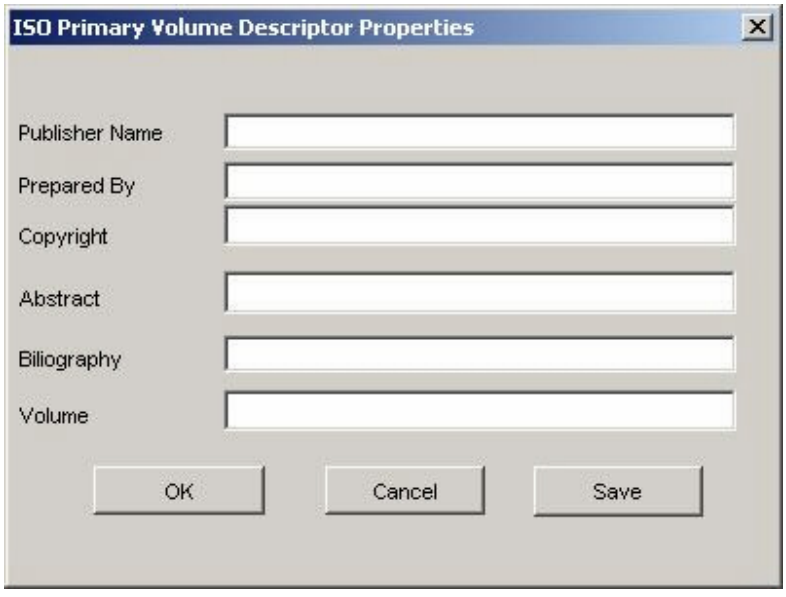
Setup System defaults

All the options for setting defaults are accessed via the Setup menu.



ISO System Defaults:

When creating ISO images, users may choose to have some default values for settings such as a Copyright Message (e.g. "Copyright 2004 R-Quest Technologies, LLC"), instead of entering the same text information every time and ISO master image is created. This can be setup via the "ISO System Defaults" menu.

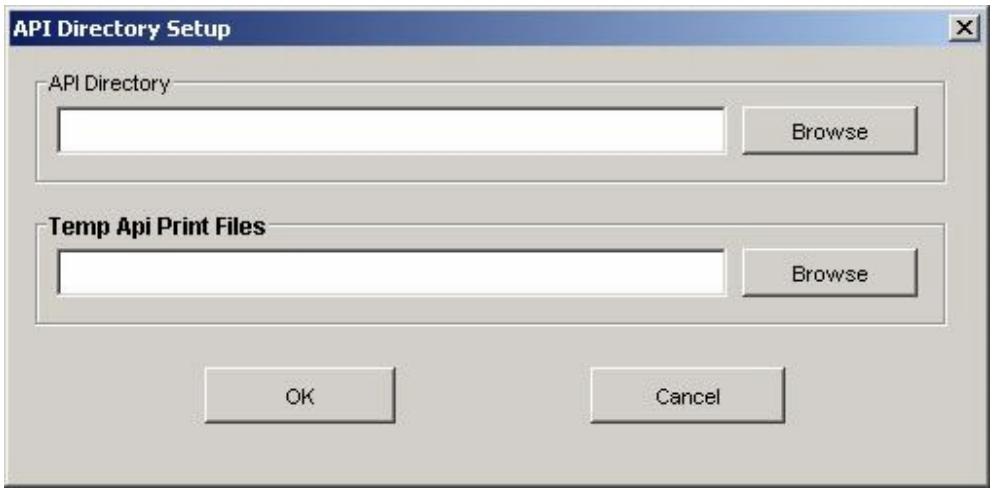


The defaults set here are used every time an ISO image is created, unless manually changed at the time of creating the image, or by API commands.

API System:

When using the API to create automated duplication and/or print jobs, TrueNet™ needs to know where to find the API scripts. It is recommended that a directory be created and reserved only for API scripts. An example would be "c:\Api", and all API script files would then be saved in "c:\Api". To setup where TrueNet™ looks for these script files, browse for, and select the chosen API directory. The directory should already exist.

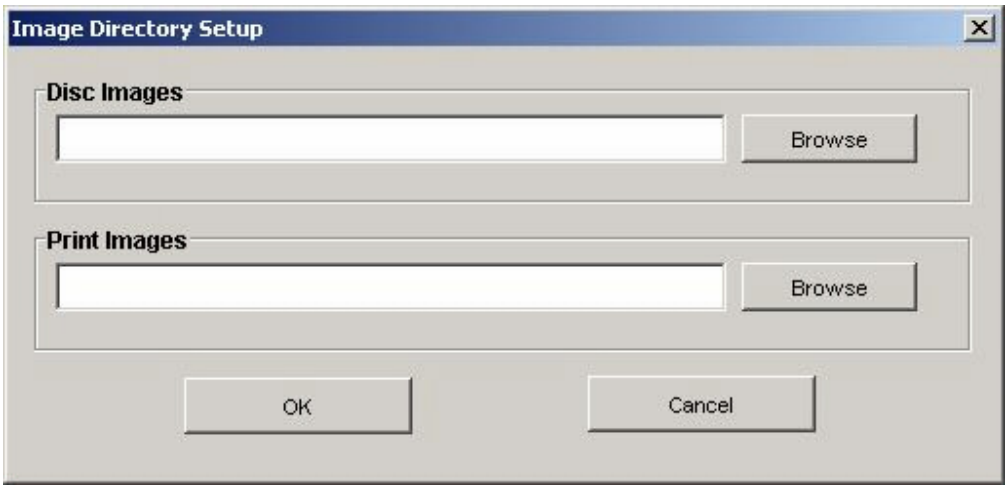
If the API is used to create dynamic labels (labels with different text on each disc - see Label Designer and API Keywords for more information) then temporary print files are created for the duration of the running API job. These files are automatically deleted at the end of the job. However, for easy maintenance of your system we recommend that you create and reserve a directory specifically for these temporary print files. And example would be "C:\ApiPrintFiles". This is not mandatory, but is recommended.



For further details, please see the API section of this manual.

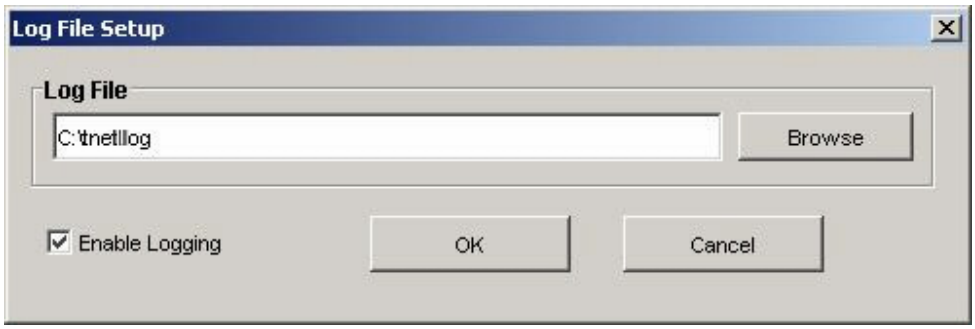
Default Image Directories:

When using TrueNet™ there may be many tasks that are performed on a regular basis, such as selecting Disc Image files, or Print Image files. Most users will choose to store these images in specific directories on their hard disk, and TrueNet™ allows you to configure where to start browsing for these files, as the 'default directory'. This saves changing directories and hunting for the images every time you need to select one. Many users will chose to store all the images in the same directory, while others will choose to separate the disc and print images. Either way, setting these defaults can save a lot of time when browsing for images to start a job.



Log File Setup:

TrueNet™ has the ability to keep a log file for all jobs sent to network devices, and this information includes the start of a job, together with completion or error status. Each entry carries a system time stamp, the User name (system login name) that started the job, and the device that was used. The log file is a simple CSV (comma separated variables) which can be easily imported in to a database or spread sheet for further analysis. To enable this feature select the "Log file" menu item within the Setup Menu.



If the file does not exist, it will be created next time an entry is generated. The log file does not have a size limit, so you should check the log file size periodically, and delete the file if required. The file will be recreated again when the next log entry is generated.

Dialog positions:

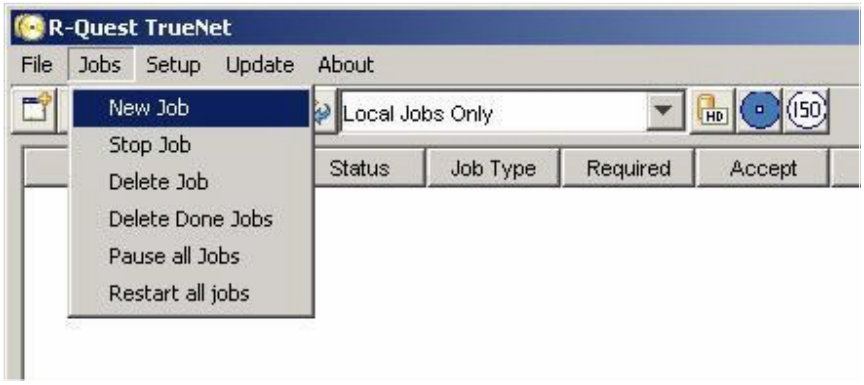
By default, TrueNet™ dialogs will open near the top left corner of the screen. These dialogs can be moved to a 'preferred' location if required. TrueNet™ will remember the new location of the dialog when it is closed, and the next time that dialog function is selected, the dialog will open at the same place it was last closed. This feature allows you to customise where dialogs open to suit your own way of working. This feature can be disabled by 'un-checking' the "Remember Dialog Positions" menu item.

Creating a New Job

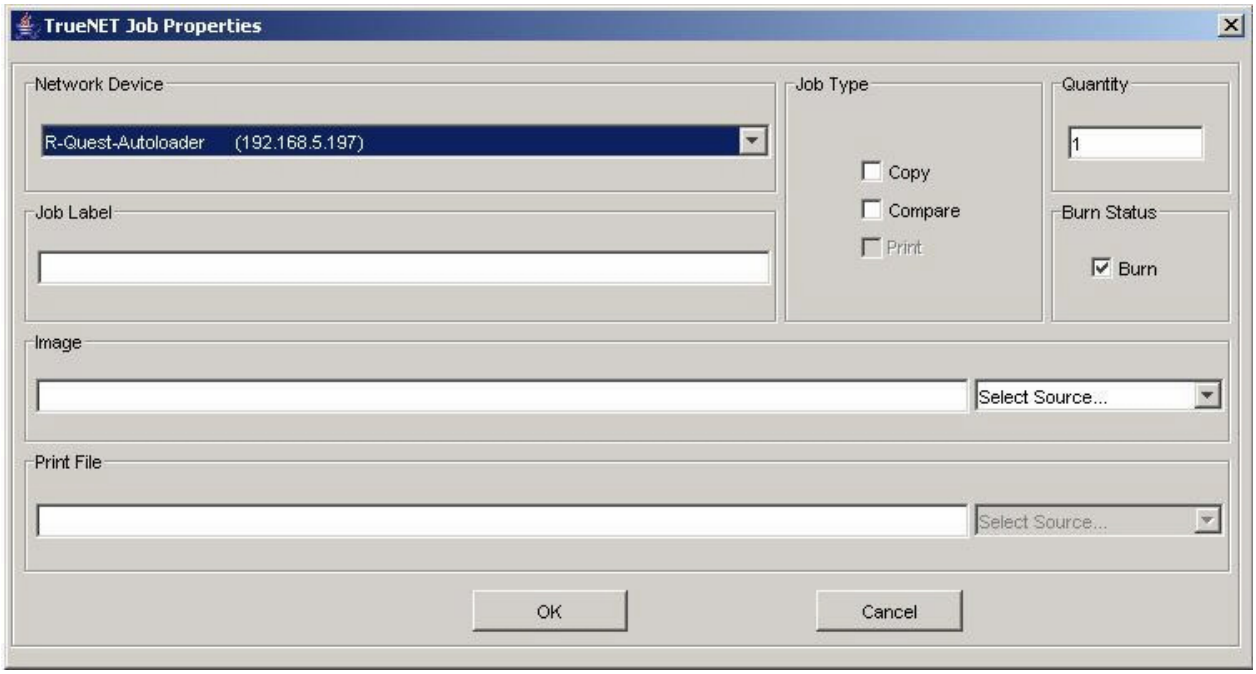
The capabilities of the Network Device you have will depend on the model and options purchased. Some models have CD recorders, while others have DVD recorders (capable of both CD and DVD recording). Some models have in-line printing capabilities, while others may be Print-Only (no recorders installed).

TrueNet will configure the job start dialog box based on the capabilities reported by your Network Device. Where options are not available (e.g. Printing), those capabilities will be disabled, and you will not be able to select them.

To create a new job, select "New Job" from the "Jobs" menu, or click on the "Create New Job" button on the toolbar.

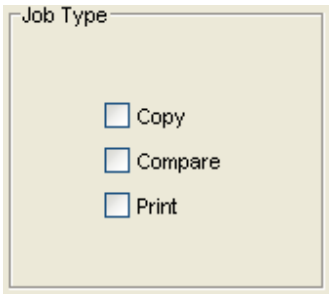


Selecting either of these options will open the TrueNet Job Properties Dialog.



On systems where only one Network Device is configured, that device is automatically selected for you. On systems where multiple devices are configured you will need to select your chosen device from the drop down list box in the "Network Device" area.

The job type can be selected by clicking on the check box next to the function, e.g. to select a copy function click on the check box next to "Copy".



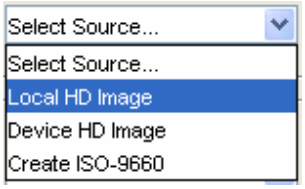
TIP!

Selecting a Disc Image will automatically select Copy for you!
Selecting a Print Image (or Template) will also select the Print option for you automatically!

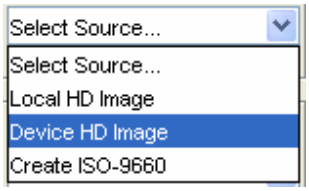
The 'Quantity' area allows the required number of discs to be set. A value between 1 and 9999 is required. The default value is 1.

For jobs involving recording – the 'Burn' setting determines if the discs are actually recorded, or are just simulated. The default option is to burn discs. Note that DVD+R/RW discs cannot be simulated.

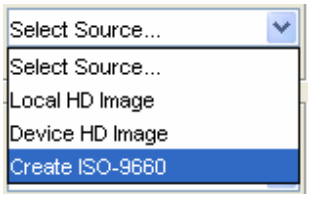
The 'Image' section is used to choose the image to record to the disc – and/or to be compared if the compare function is selected. There are three options when selecting the image.



Selecting Local HD Image will allow you to browse your local hard disk (starting at the default Disc Images directory – if setup) in order to select an image. The image can be either an RQI file (R-Quest Image) or an ISO file (a raw data CD/DVD file). If you select an ISO file you may be asked to confirm if the file is a CD or DVD.



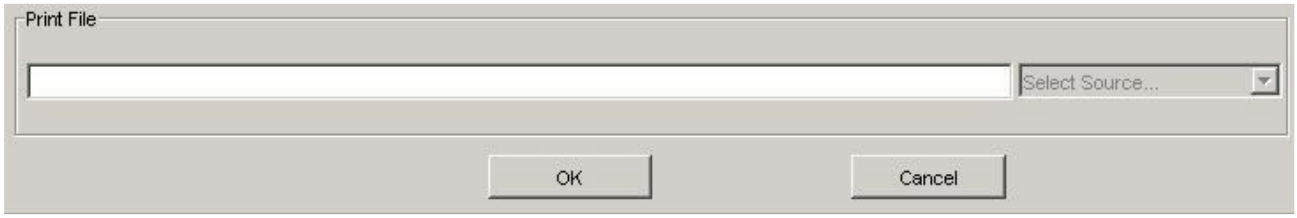
Selecting Device HD will launch the Remote Device Hard Disk dialog, and allow an image to be selected that is already on the device hard disk.

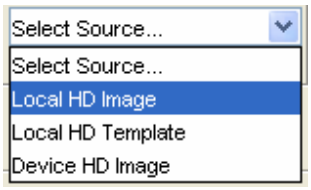


Selecting "Create ISO-9660" will launch the ISO create dialog that allows you to specify a source directory path. When selecting this option, a 'virtual' image is created and sent to the Network Device. No image is created on the local hard disk. This saves both the build time, and local hard disk space. If you want to create an image file to keep for later use, select the ISO button on the toolbar instead, then select the built image when starting a job. See creating ISO images for more information.

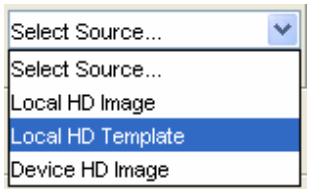
Selecting any image source will automatically select the "Copy" job type option.

The Print File section is used to select the print file required for the job.

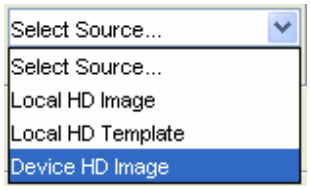




Local HD Image (Print Files)
Selecting print files is very similar to disc images for local "PRN" files. PRN files are 'pre-built' binary print files that contain all the information a specific printer will need. However, each printer type will require a different PRN file, so care needs to be taken when creating and sending PRN files if you have multiple Network Devices with different printer types installed.



Local HD Template (Print Files)
TrueNet has the ability to produce PRN files 'on-demand' for a range of supported printers. This allows you to create a print file template that can be used on any of the supported printers, and have the actual PRN data generated when the job starts. This has two main advantages. A template file will generally require less storage space than a PRN file on the local hard disk and TrueNet will always build the correct PRN file type for the installed/configured printer type on your Network Device. The disadvantage of using a template file is that the time take to build the PRN data can vary from just 3 or 4 seconds (on fast computer) to more than 25 seconds, and so delays the start of the job. You may find the convenience out weighs the small time delay.



Selecting the Device HD will launch the Remote Device Hard Disk dialog and allow you to select a PRN file that is already on the Network Device hard disk.

Selecting any print source will automatically select the “Print” job option.

Getting going …..

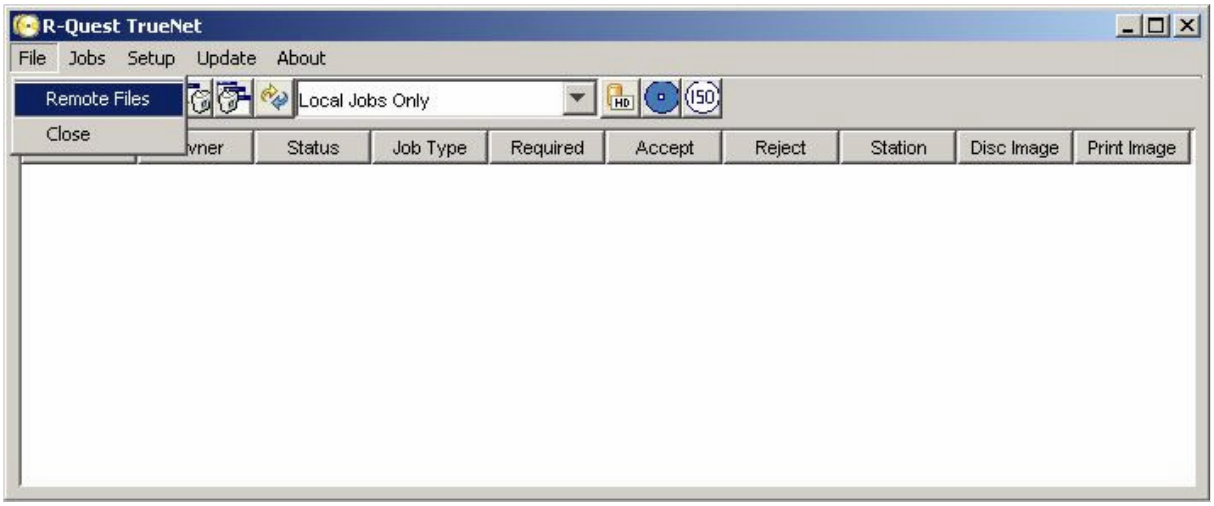
Once the disc and/or print images are selected, the Quantity and Job Options set, click the OK button to start the job. Within a few seconds the job will appear in the main job queue in the main application window.

Disc / Print Image File Transfer

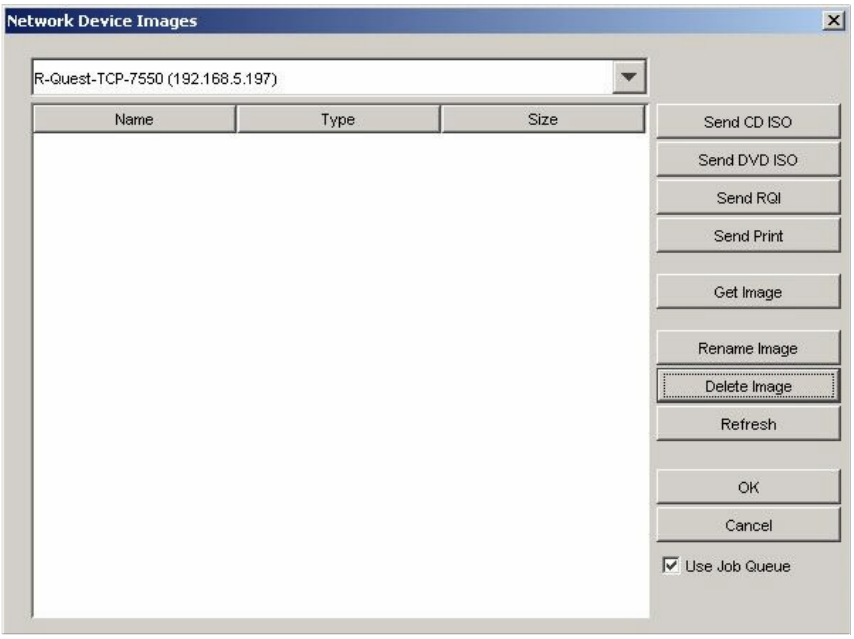
Using 'Remote Files' to transfer disc & print images to and from the device:

Disc & Print images can be sent to the Network Devices whenever they are powered on, correctly attached and configured for the network – and in network mode. The device HD can be viewed at any time, but image files can only be transferred when the Network Device is in Network Mode.

To view the images currently stored on the device HD – select FILE | REMOTE FILES



If the machine does not currently hold any images, then you will have a blank list – as



displayed above.

The drop-down at the top contains the name assigned to the duplicators in the earlier section. If you have more than 1 device configured, use this to select the desired unit, and view the images (if present) on the HD.

HD Image View buttons

This button sends a CD ISO file from the host computer to the device.

This button sends a DVD ISO file to the device.

Use this button to send an RQI file to the device.

Use this button to send a Print Image to the device.

Retrieves the selected image from the network device and allows the image to be saved on the local hard disk.

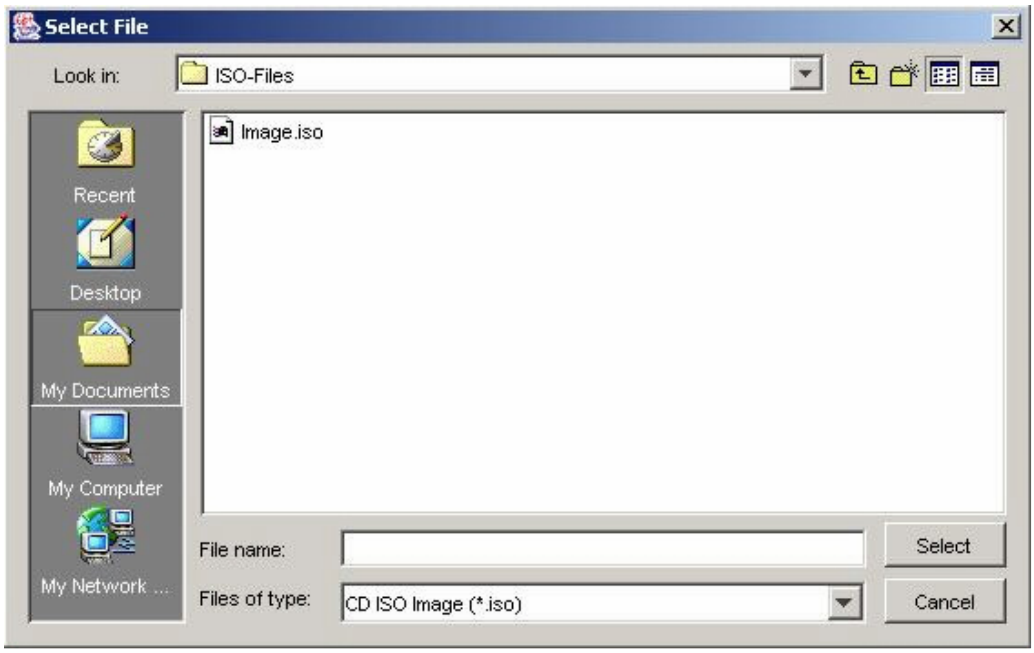
Renames the image currently selected.

Deletes the selected image(s) from the network device.

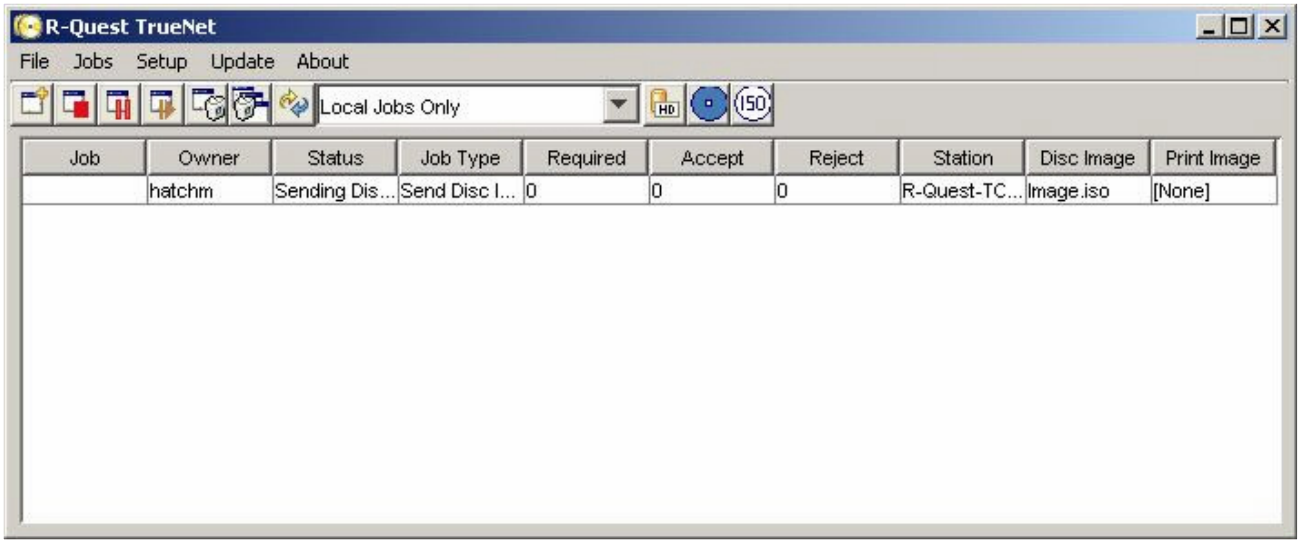
Refreshes the image file list.

Click either OK or Cancel to exit the Remote HD view

To send a CD ISO image to the device – click 'Send CD ISO' button, then browse your local hard disk for the desired ISO file. Click on the file, then choose 'Select'. The



File-transfer is then added to the job queue, and it's status is displayed

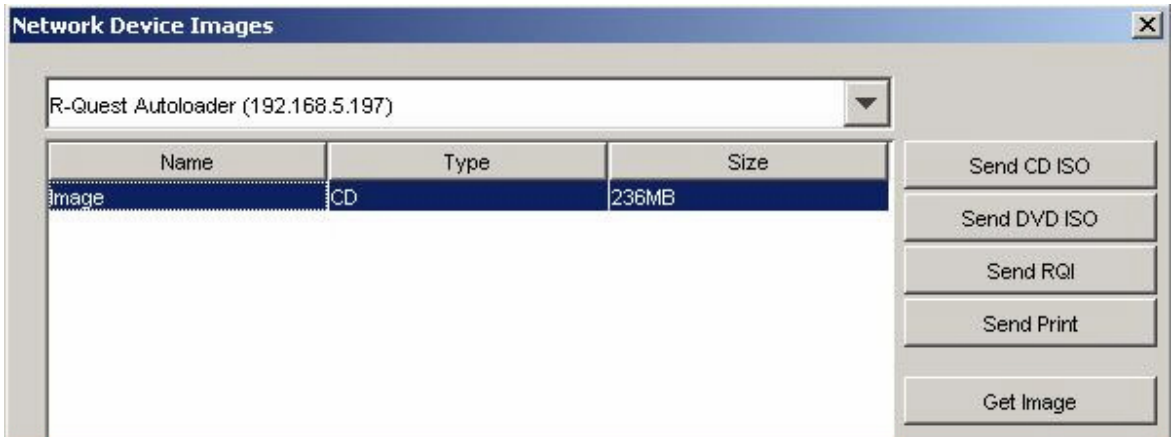


TrueNet™ differentiates between DVD and CD ISO images – so for DVD ISO files, follow the above process – but start with the 'Send DVD ISO' button option.

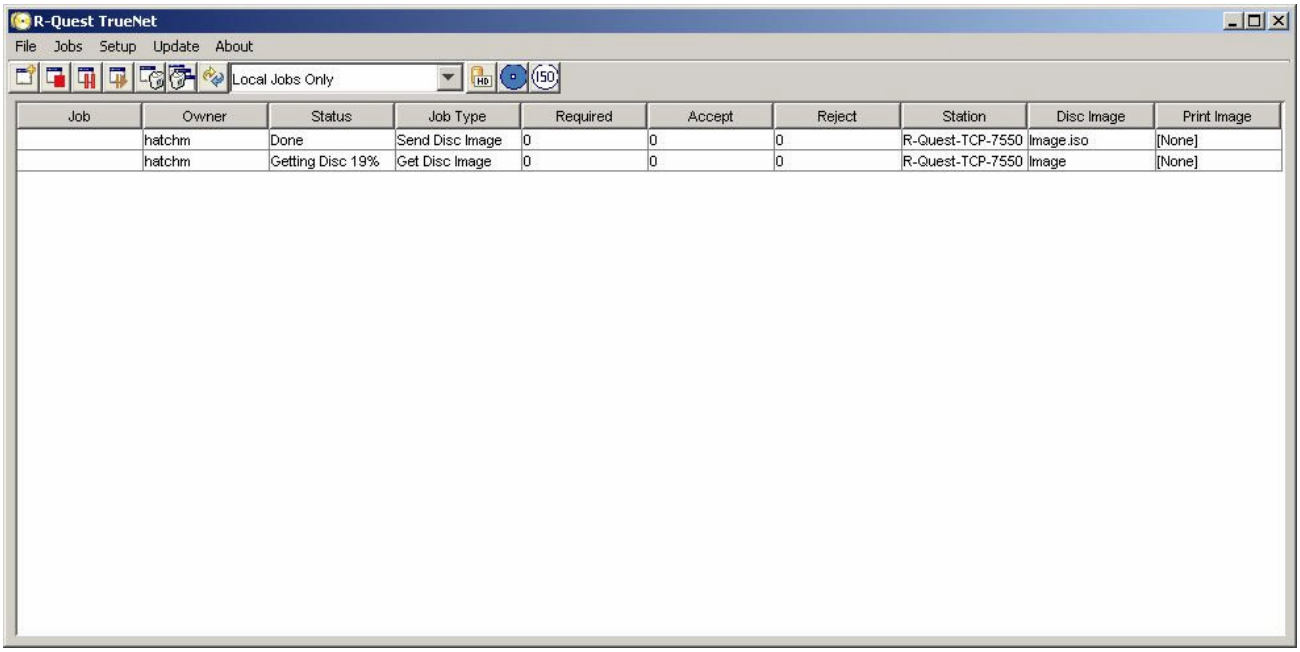
Saving RQI Files

Disc images stored on the HD of the duplicator can be copied to your local hard disk, and stored as RQI files. An RQI file is a native TrueNet™ file – which can be later sent back to the same device– or another device on your network.

To save an RQI file to your local file system, select the required image from the list - then click 'Get Image'.



As with sending the ISO files earlier – by default, this task is added to the Job Queue – so the progress can be watched while other tasks can be performed.



By default, all ‘send’ and ‘get’ jobs are done via the system job queue. This allows the

scheduling of several transfers at once, without having to wait for each one to complete in turn. By un-selecting the “Use Job Queue” check box on the bottom right corner of the dialog, all following transfers will complete before allowing the selection of another image.

RQI files can contain any disc image type, e.g. data, audio and/or video, but ISO files can only contain data.

Masters read on the Network Device can be retrieved from the device and saved on the local hard disk for future use. It is not possible to read a master disk on your computer. All masters must be read by the Network Device.

Shortcut buttons

Most of the features of TrueNet™ can be accessed directly from the main toolbar by the use of one of the buttons below.

Create New Job button

This button is equivalent to selecting 'New Job' from the ‘Jobs’ menu Clicking this button directly brings up the New Job dialog.

Stop Job button:

This button is a shortcut to 'Stop Job' from the ‘Jobs’ menu.

Pause Job button:

Pauses the selected job.

TIP!

Pausing a job will allow for other jobs that are lower down in the queue to be started ahead of the job being paused. By pausing jobs, allowing other jobs to start, and the ‘restarting’ the paused jobs enables you to change the priority of a job in the queue.

Restart Paused Job button:

Resumes a paused job.

Delete Job button:

Deletes the selected job. Running jobs cannot be deleted, and should be allowed to complete or be stopped first.

Delete 'Done' button:

Removes jobs with status 'Done' from the job list.

Refresh view button:

Forces the job list status to update.

Device HD view button:

View the contents of the selected Network Device HD – and optionally transfer images.

Create Disc Label button:

Opens the Label Designer component of TrueNet™. See the Label Designer section for more details.

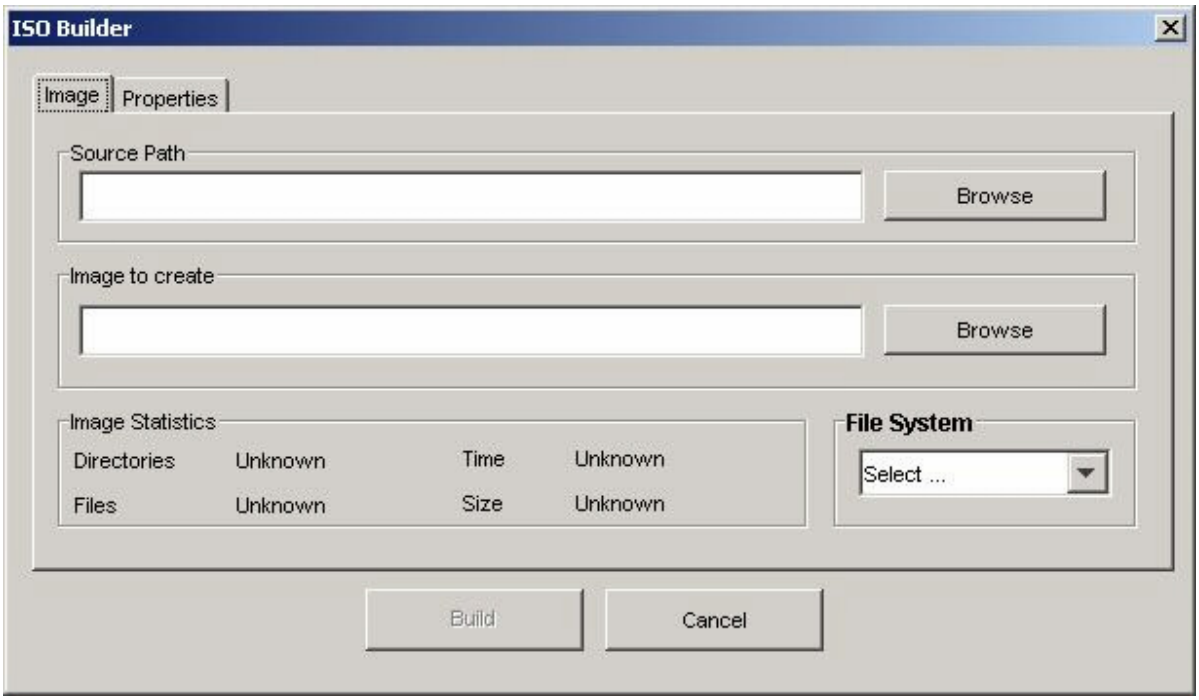
Create ISO Image button:

Opens the CD ISO image builder component. See the ISO Builder section for more details.

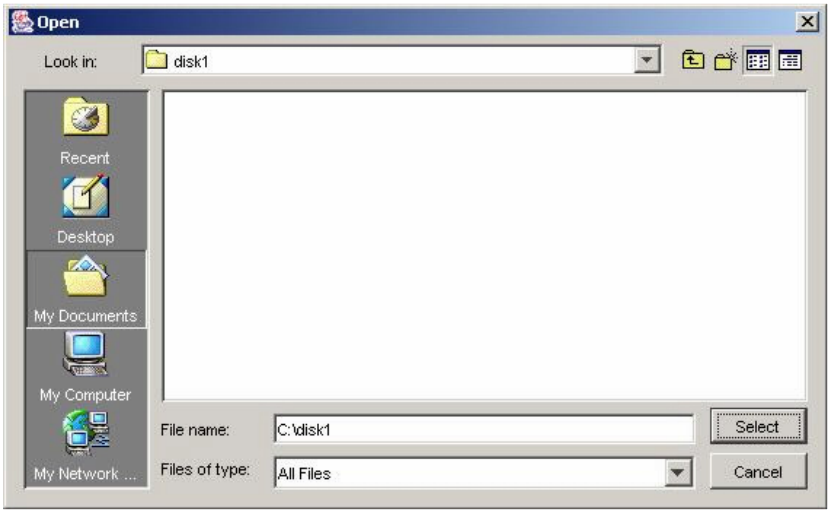
ISO CD Image Builder

This feature is used to create a CD ISO image file (.ISO file) from a directory tree within your local file-system.

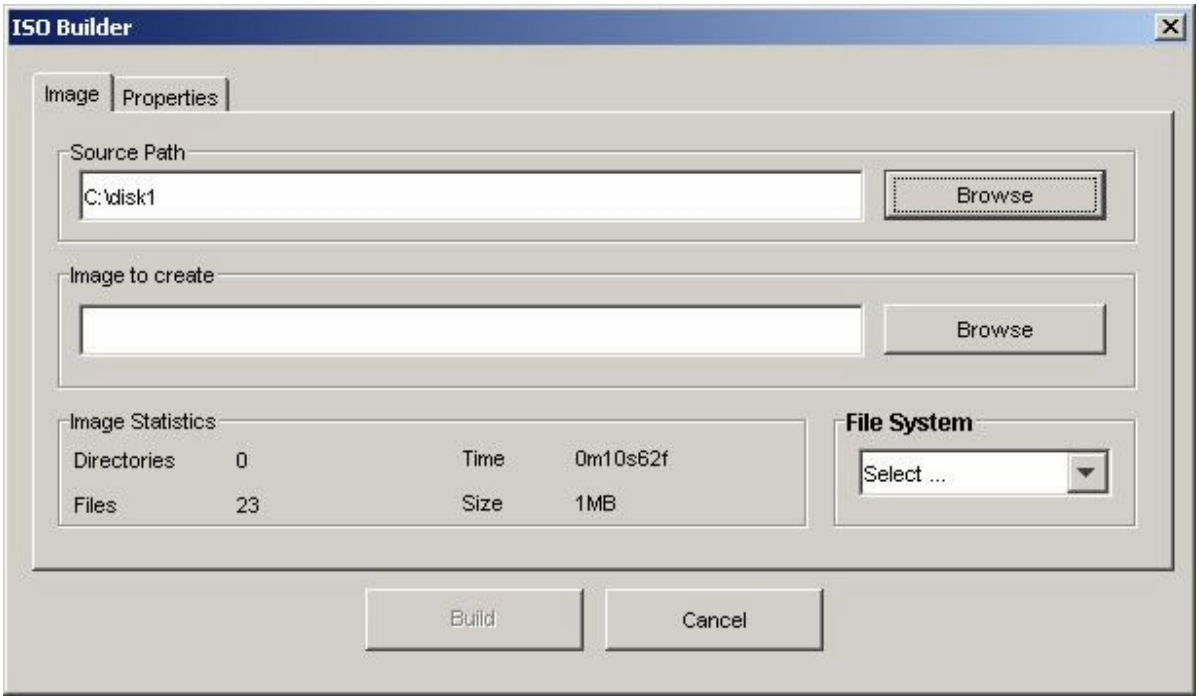
To use this utility, select the ISO icon from the toolbar.



In the 'Image' tab click on the Browse button within the "Source Path" area to browse for, and select the source path for the ISO image you want to build. This source path will become the root directory of the CD image you are creating.

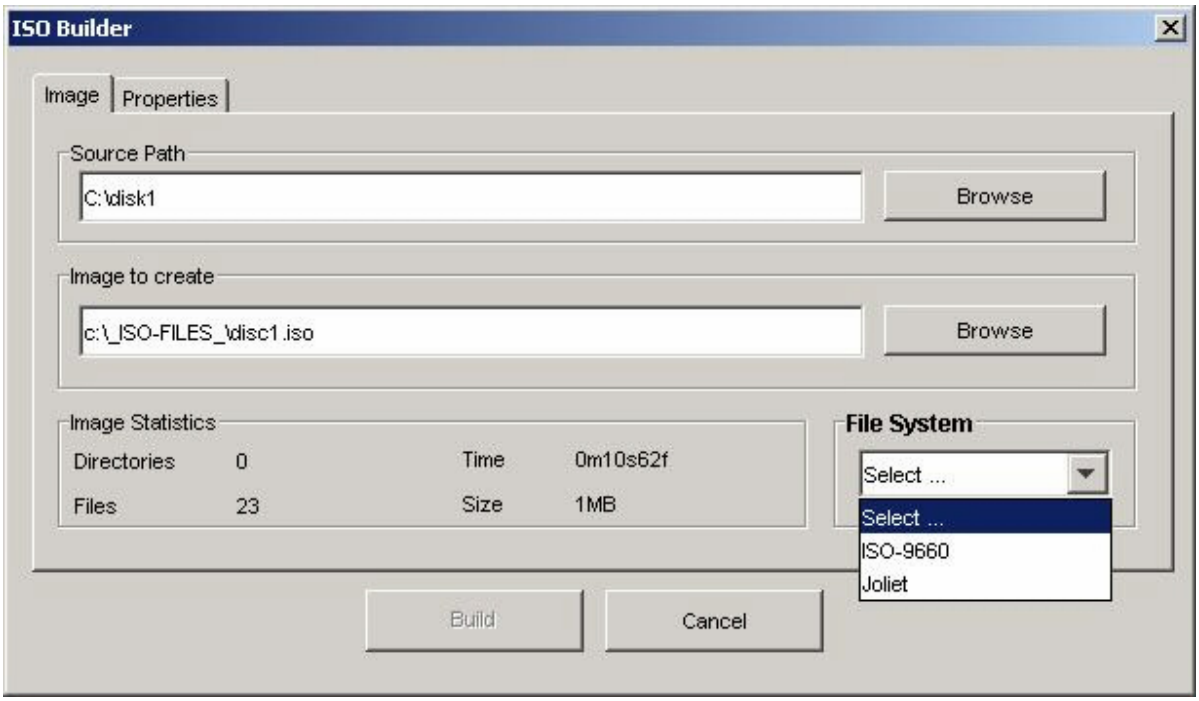


Click on 'Select' when the required directory has been located.



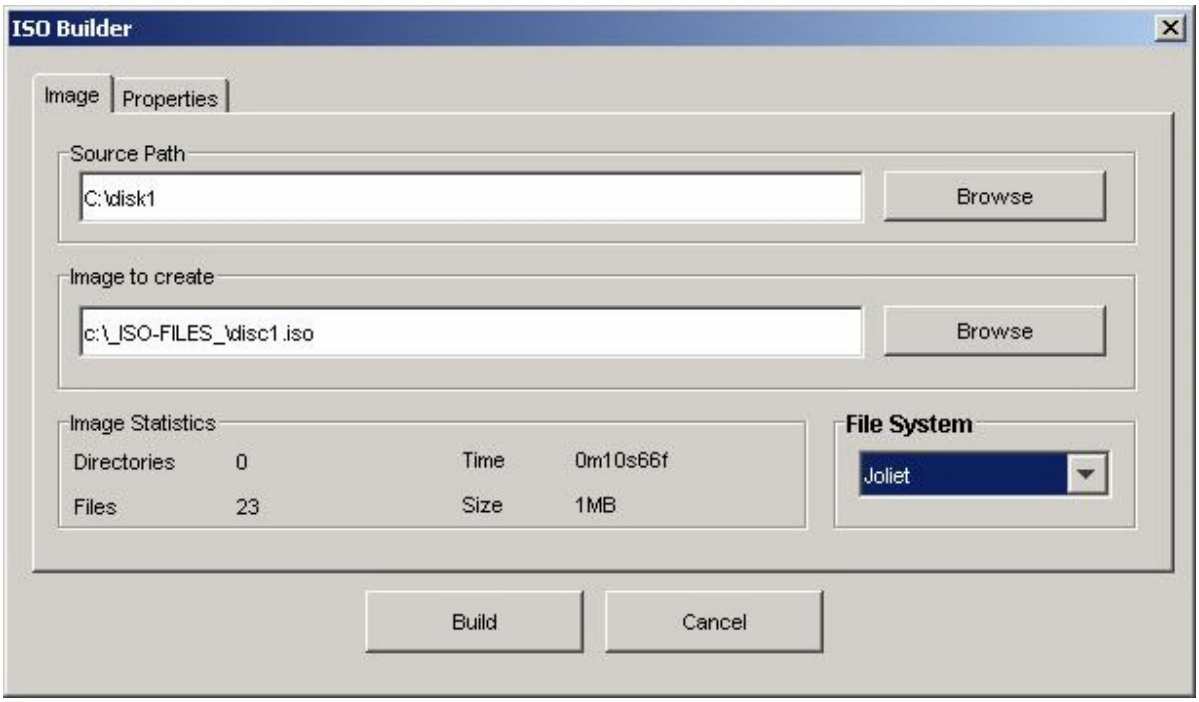
With the source (root) directory selected, select the output location for the CD ISO Image. This can either be manually entered, or you can browse for the required directory to create the ISO file in.

In the example below, the dedicated folder 'C:_ISO-FILES_\' has been used as the target directory, and disc1.iso is the output file.



Before you are able to build the image file, you must choose the File System to use for the image file – either ISO-9660 or Joliet. Joliet supports long file names – ISO-9660 imposes a strict 8.3 filename limitation – so any longer names will be truncated. In addition, ISO-9660 imposes a limit of 8 directories deep (in the directory tree).

When all options have been selected, click the build button to create the ISO image.

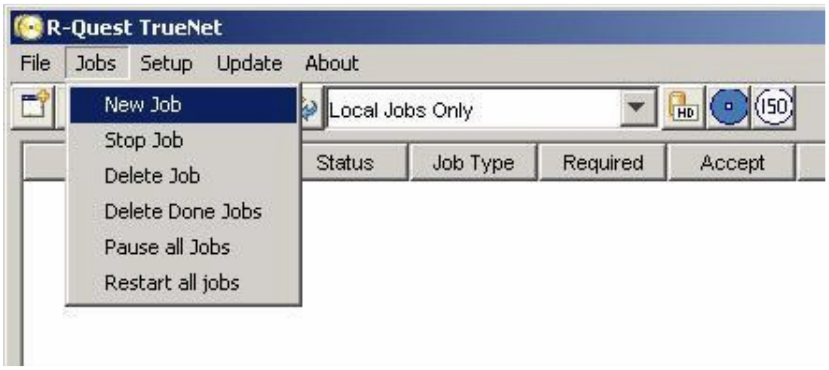


A progress bar will appear – the time needed to complete the operation will depend upon the type (size, number) of files selected, and the host system specification (free RAM, CPU & HD speed, etc.). Building images from Network located files is possible – but please note that the build speed may be limited by the network load, etc. - and would normally be slower than building from local files.

The properties tab allows you to enter volume descriptor information, including the author and copyright messages.

Other Features

'Jobs' Menu



The 'Jobs' dropdown contains other entries useful for handling Jobs under the control of TrueNet™.

Here you can stop a job, delete a stopped or non-running job, and pause or restart all jobs.

'Setup' Menu

TrueNet™ setup is accessed via the 'Setup' option from the TrueNet™ main window. Earlier on in this guide, we accessed the Network Device setup from a shortcut. This is how to access it normally at other times.

'Default Image Directories' set the 'home' locations for selecting 'Local HD' images and Print files.

'Update' Menu

Network device firmware can be updated via the TrueNet™ 'Update' option. Firmware which can be updated includes: Network device System, Loader (Robotics), and Recorder. Suitably prepared firmware files are available from the R-Quest web-site. Only firmware sourced from the R-Quest website should be used in conjunction with these options. Firmware obtained from other sources may not be suitable for use with this or future versions of TrueNet™.

'About'

Information about the running version of TrueNet™ can be found using the 'About' box. This may be important should you need to contact support.

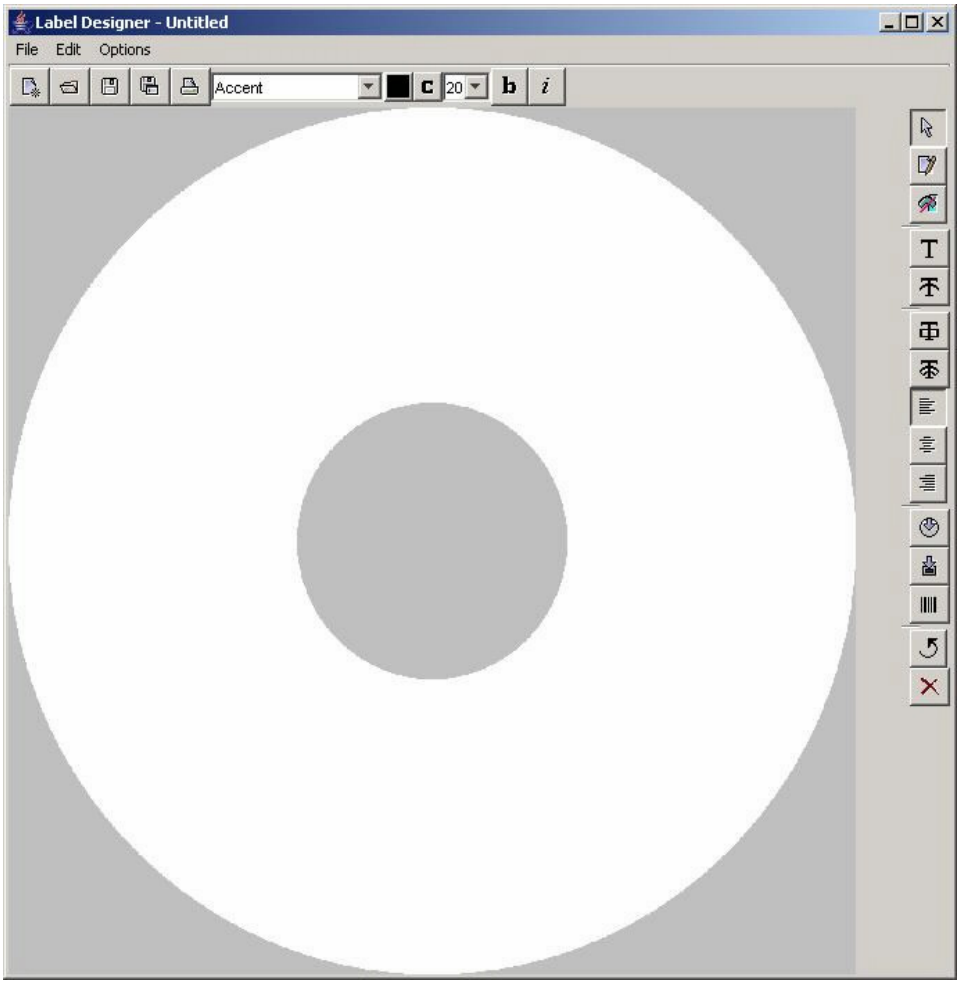
TrueNet™ Label Designer

The Label Designer view (below) enables creation of a label design which can be sent to any of the supported printer types (*) attached to TrueNet™ compatible network devices, without the need to install printer drivers.

The Label Designer is not intended to be a fancy graphics design tool. If you need advanced graphics features for your design, select your favourite graphics design tool to create your label, and export the label as a JPEG file. This can be imported in to the Label Designer as a background image, and automatically scaled, with the edges and center hole being masked for the printer type.

Text, and graphics can then be added to create custom disc labels, which can be sent to network devices. Alternatively, complete labels can be created within the Label designer.

Clicking the Label Designer icon will launch the Label Designer component of TrueNet™. After a few seconds, the window will be displayed.



There are several toolbar buttons along the top, and also in the right side.

 New design button.

 Open an existing design .

 Save design button.

 Save design As... button.

 Print button.

 Character Map button.

 Bold Text button.

 Italicise Text button.

 Pointer / Selection

 Edit pointer

 Show / Hide Graphics Toolbar

 Add Text

Add Curved Text


Add Text Box


Add Curved Text Box


Left Justify


Centre Justify


Right Justify


Insert JPEG as Background


Insert Graphic


Insert Barcode


Rotate Selection


Delete Selection

When the Graphics Toolbar is visible – an additional set of buttons are visible at the

bottom of the Label Designer window. These are:

 Line Tool

 Curve Tool

 Box Tool

 Filled Box Tool

 Curve Area Tool

 Filled Curve Area Tool

Creating a basic label

In the simplest usage of the label designer, use your preferred design application to create the desired label layout – then export this from within your third party application as a JPEG image. This can then be imported directly into the Label Designer as a background. Note that any imported JPEG image will be centred within the label designer view – so this must be considered when preparing the file for export.

To do this, once you have exported your design as a JPEG image – make a note of the location the file is exported to.

Next, from the main Label Designer window (left), select the insert JPEG background button.

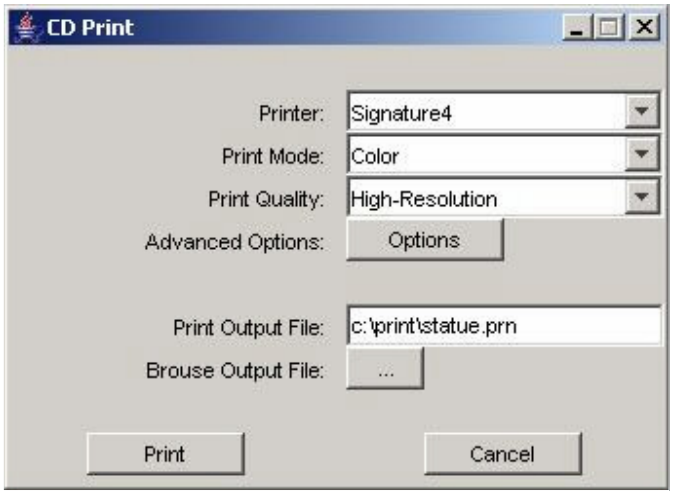
Browse for the JPEG file you wish to use, and set it as the background image.

Once the background image is set, you can either use the design as is, or you can add further text and / or graphics to further customise the label.

The simplest next step would be to create a print file output of the currently displayed disc background.

Click the printer Icon in the top left of the displayed window – then choose the output location for the print file.

The following dialogue will be displayed:



Creating a Print Image

Select the printer model, and print options followed by the required output directory. It may be worth creating a dedicated print file directory – which can be used to store all print files created in Label Designer application.

Note: This output directory can be set as the default location that the main TrueNet™ application goes to for print images when starting a job involving print files.

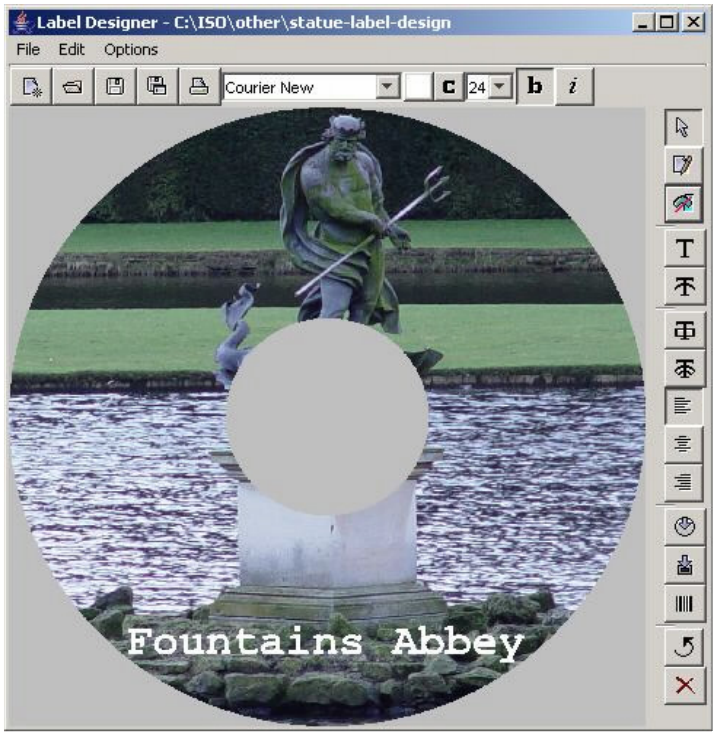
To create the print file as specified by the options within the dialogue box - Click 'Print'.

Adding text to a design

On the top bar above the design, first choose the desired font, font size and colour for the text you are about to add to the design.

Next click the Text button. In the following screen shots, then place the cursor on the design where you wish to place the text. Type your desired text directly onto the design.

Note: As you enter the text, it will be displayed in the edit mode – and so will not appear as desired until after you have pressed return.



Tip: If you want to edit text that you have already committed to the design, select the edit pointer, then select the text box you wish to alter.

Saving as a Template

Templates can be used instead of '.PRN' Print Image files when starting a job involving a print file. The advantage to this is that the print file is generated, based on the printer type TrueNet™ finds on the loader – and so if you change the type of printer on your network device, you will not necessarily need to change the artwork file.

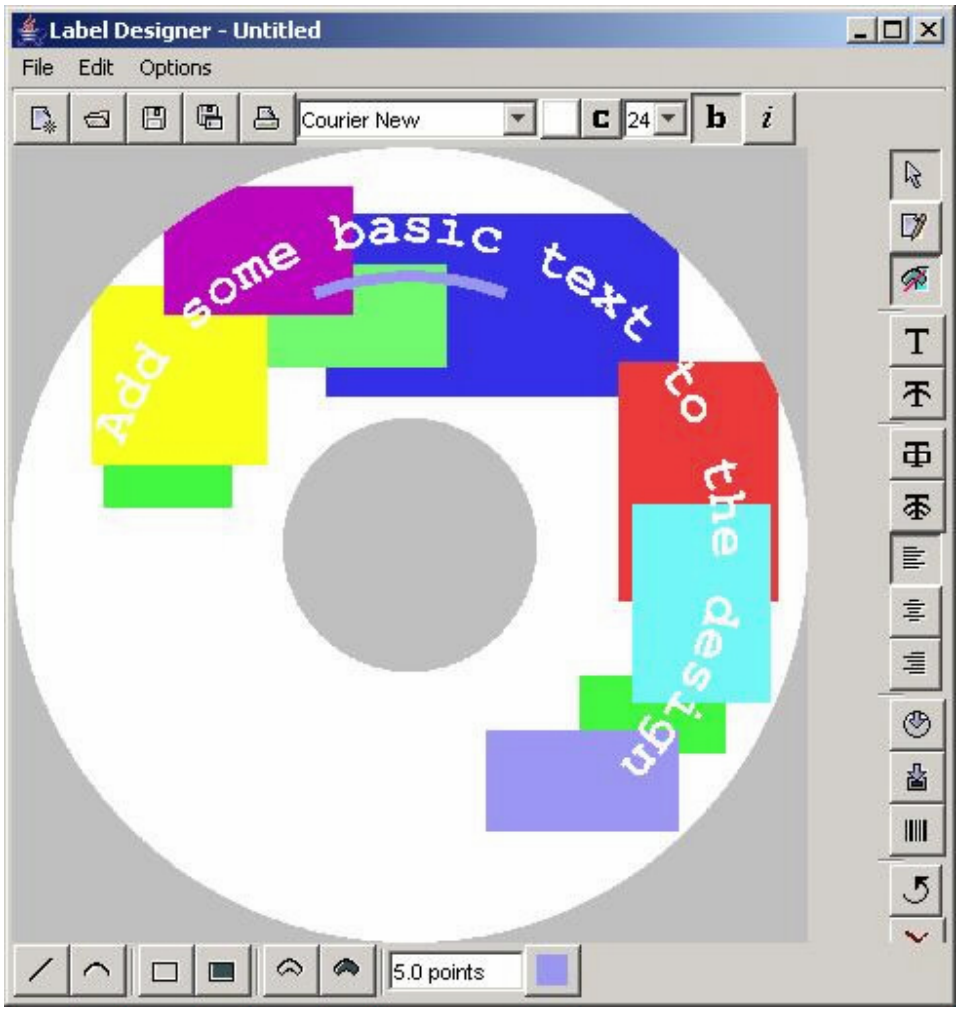
To save a design as a template - use **File | Save As** then choose a location and name for the file. TrueNet™ will automatically save the file with a ***'.RPT'*** extension. When selecting a print source file for a job within TrueNet™ – either a '.PRN' or '.RPT' file is valid.

Another advantage to using a template file – is that dynamic text is possible. Please see the later 'Dynamic Text Entry', and API sections for further details of this.

Creating a design from Scratch

Basic blocks of colour can be added to the design using the Graphics Toolbar functions. These can be used to create a design (of sorts) by themselves, or by using these to create backgrounds for text and text boxes within your design.

An example can be seen below:



Dynamic Text Entry

When combined with a user program, the TrueNet™ API, the Label Designer allows powerful 'dynamic' labels to be created, allowing for unique labels to be produced easily, using the output of a database or other text program (via the user supplied program). See the API section for more information on how to call these functions via the API.

By adding markers within text boxes – or within text strings, the print file generator used by the API can insert a text string in place of the marker.

To do this, create a label design with markers at the required text positions and save as a template file (described earlier).

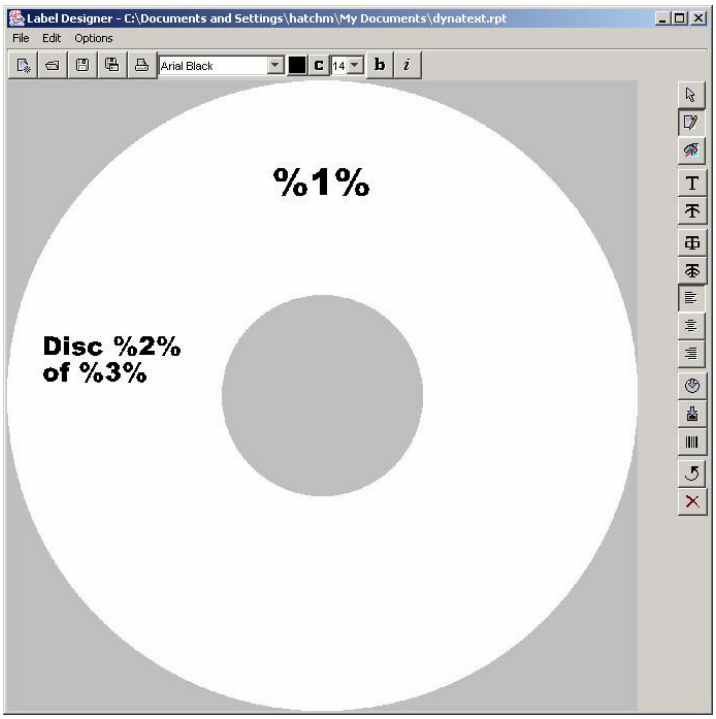
Text markers take the form of a number, delimited by percentage (%) signs – like the following:

%1%

%2%

%3%

The following image is of a screen shot showing a disc design containing dynamic text markers which will be later populated by user specified text from the API. In the example shown, the top marker - **%1%** - will be the disc title.



The second - **%2%** - will be the disc number.

The third - **%3%** - will be the total number of discs in the series.

When this file is saved as a template, and used by the TrueNet™ API – the markers will be replaced in sequence by using the following API commands:

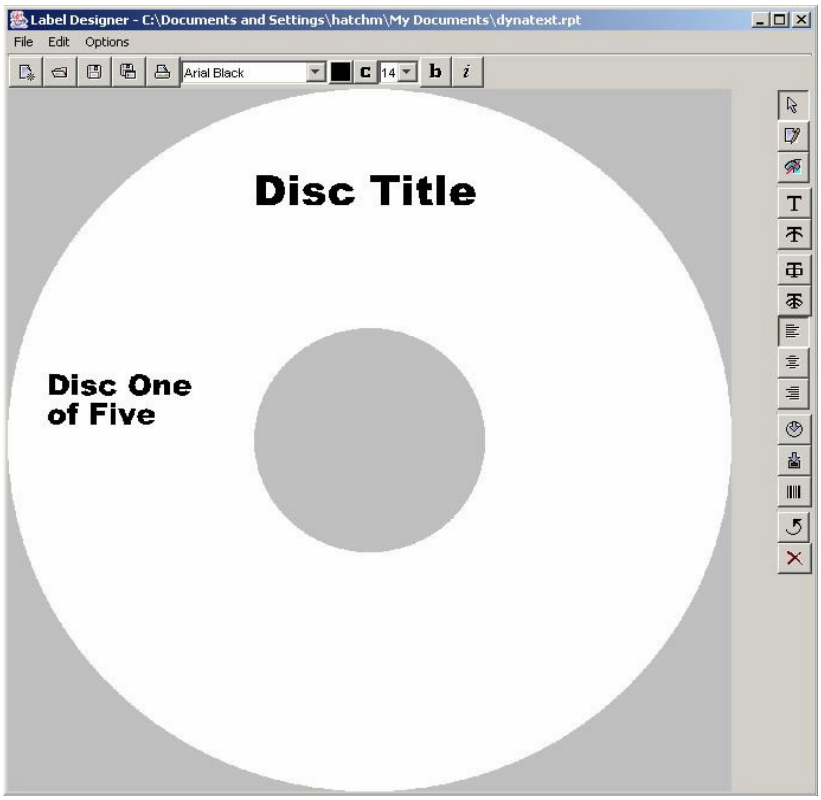
PRINT_ENTRY_1=Disc Title"

PRINT_ENTRY_2="One"

PRINT_ENTRY_3="Five"

When a label is created from the above example, the end result would appear as

though the following label had been created:



More examples can be found in the API section of this manual.

R-Quest TrueNet™ – API Keywords

API Files are plain text documents that are placed in the API directory by a user created program. The file should initially be created without a file extension.

Once the file is completely written (and closed) the file should be renamed with a file extension of ".job". TrueNet™ scans the designated API directory every 5 seconds looking for new files. As soon as a new ".job" file is detected, the script is read, and if there are no errors, the file is renamed with a file extension of ".bsy" (busy). If there are errors the file is renamed with a ".err" extension.

When the job is completed, the file is renamed with the extension ".don" (done).

The file can be monitored by the user application, and the status assessed via the following keywords: ACCEPTED (shows the number of good discs so far), REJECTED (shows the number of discs rejected) and STATUS.

Lines beginning with # are comments, and are ignored by the file parser.

DEVICE	- Specifies the target network device
JOB_TYPE	- The type of job required (COPY+COMPARE+PRINT)
BUILD_TYPE	- ISO_CD
BUILD_PATH	- The full path to the directory containing the file system.
PUBLISHER PREPARER COPYRIGHT ABSTRACT VOLIDENT	- ISO PVD Settings
IMAGE_FILE	- Full path & name of the image file
IMAGE_TYPE	- RQI / RAW_CD / RAW_DVD
FIXATE	- Yes / No – setting to no will allow copies to be appended.
PRINT_FILE	- Requires a PRN file (binary data to send to the printer)
PRINT_TEMPLATE	- Requires an RPT Template file
PRINT_ENTRY_#	- # = a number starting at 1 and incrementing by 1 for each field.
BURN	- Default to YES if not specified
QUANTITY	- Default to 1 if not specified

Results added by the network manager at run time:

ACCEPTED
REJECTED
STATUS

- comments

==========

Sample 1 – Copy an ISO CD image – Default to burn 1 copy.

```
# Specify the target device.  This is the same as the name given to the
# device is the Setup dialog
DEVICE=STATION_1

# Specify the Job Type
JOB_TYPE=COPY

# Specify the full path to the image file
IMAGE_FILE=C:\Users\User\CDImage.iso

# The image type (in this case RAW_CD means a CD image with 2048 byte blocks)
IMAGE_TYPE=RAW_CD
```

==========

Sample 2 – Same as Sample 1, but with a quantity set to 5, and simulate mode

```
# Specify the target device.  This is the same as the name given to the
# device is the Setup dialog
DEVICE=STATION_1

# Specify the Job Type
JOB_TYPE=COPY

# Specify the full path to the image file
IMAGE_FILE=C:\Users\User\CDImage.iso

# The image type (in this case RAW_CD means a CD image with 2048 byte blocks)
IMAGE_TYPE=RAW_CD

# Specify the quantity
QUANTITY=5

# Specify Simulate Mode
BURN=NO
```

Sample 3 – Print 1 Disc from a PRN file

```
# Specify the target device.  This is the same as the name given to the
# device is the Setup dialog
DEVICE=STATION_1

# Specify the Job Type
JOB_TYPE=PRINT

# Specify the full path to the image file
PRINT_FILE=C:\Users\User\PrintFile.PRN
```

Sample 4 – Print 1 disc from a Template file – no fields replaced

```
# Specify the target device.  This is the same as the name given to the
# device is the Setup dialog
DEVICE=STATION_1

# Specify the Job Type
JOB_TYPE=PRINT

# Specify the full path to the image file
PRINT_TEMPLATE=C:\Users\User\PrintFile.RPT
```

Sample 5 – Print 1 Disc from a Template file with 2 Fields replaced

```
# Specify the target device.  This is the same as the name given to the
# device is the Setup dialog
DEVICE=STATION_1

# Specify the Job Type
JOB_TYPE=PRINT

# Specify the full path to the image file
PRINT_TEMPLATE=C:\Users\User\PrintFile.rpt

# Replacement strings
PRINT_ENTRY_1=”Field 1”
PRINT_ENTRY_2=”Field 2”
```

Sample 6 – Copy a DVD ISO with Compare after Write and Print from a Template with 3 fields replaced.

```
# Specify the target device.  This is the same as the name given to the
# device is the Setup dialog
DEVICE=STATION_1

# Specify the Job Type
JOB_TYPE=COPY+COMPARE+PRINT

# Specify the full path to the image file
IMAGE_FILE=C:\Users\User\DVDImage.ISO

# The image type (in this case RAW_DVD means a DVD image with 2048 byte blocks)
IMAGE_TYPE=RAW_DVD

# Specify the full path to the image file
PRINT_TEMPLATE=C:\Users\User\PrintFile.RPT

# Replacement strings
PRINT_ENTRY_1=”This is Field 1”
PRINT_ENTRY_2=”This is Field 2”
PRINT_ENTRY_3=”This is Field 3”
```

Network Setup

To configure the duplicator for your network, you need to know some information about your general network configuration. You may need to contact your Network Administrator for this. The following are guide-lines only. It is assumed that the computer you intend to use with TrueNet™ is connected, and working correctly with an existing TCP/IP network.

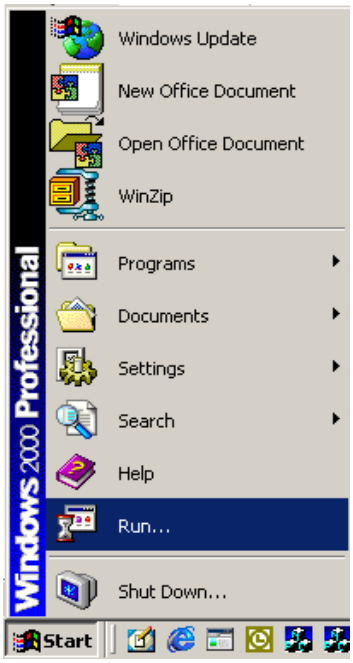
You will need to know your network IP address range and Subnet Mask information, including free IP addresses.

Your duplicator requires a fixed IP address, and so if your network uses DHCP, then the address assigned to the duplicator must sit within a range excluded from the DHCP servers' active range. Please contact your Network Administrator to check this.

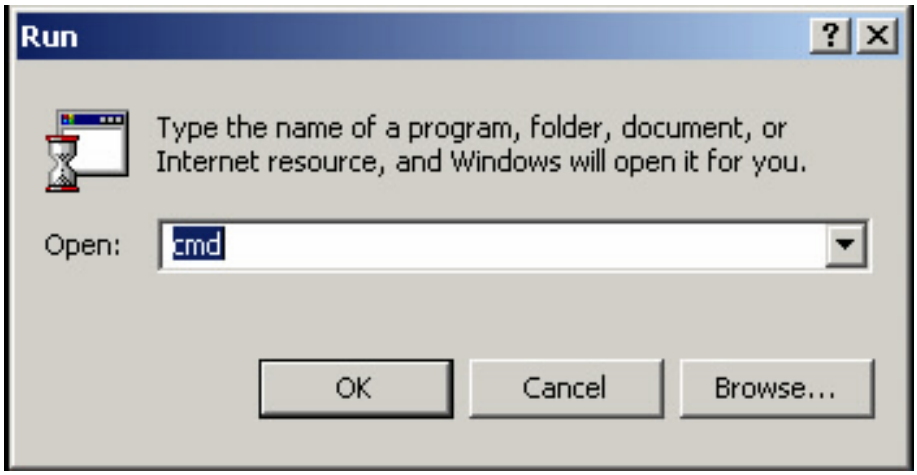
To find your PC's IP address, under Windows 2000, or Windows XP:

•Click Start.

•Choose 'Run' from the list



•type: “CMD” (without quotation marks) in the 'Open' dialog box



Click 'OK'

•In the Terminal Window, type: “IPCONFIG” (without quotation marks) and press ENTER

•Make a note of the information displayed. Your information will probably be different to the information shown above.

Setting the IP address on your system

Having discovered your Network IP range and Subnet Mask from the procedure above or from your Network Administrator, and also reserving a fixed IP address for your duplicator (if necessary), you can now configure the Network settings on the duplicator. It is assumed in the following steps that the system is NOT connected to the network, but is powered up, and running properly following the mechanical alignments for the printer position (if a printer is installed), as described in the Print or Publishing system's user manual.

Enter the `Setup Menu` and the following list will be displayed:

Choose Network Setup (as shown above) and the following is displayed:

With the cursor next to the '`Duplicator IP`' list entry, and press the ENTER key. You will now see:

Move the cursor manually through the IP address, changing each digit in turn to enter the IP address chosen for the system.

Please Note: *All numbers within an IP address or Network (Subnet) Mask are significant. Therefore you must enter the IP address fully with all 12 digits. For example, the IP address 192.168.0.10 should be entered as 192.168.000.010 (as is shown above).*

When you are certain that the IP address is entered correctly, press the ENTER key to save the changes. You will be returned to the `Network Setup` Menu.

Move the cursor next to the '`Network Mask`' list entry, and press the ENTER key.

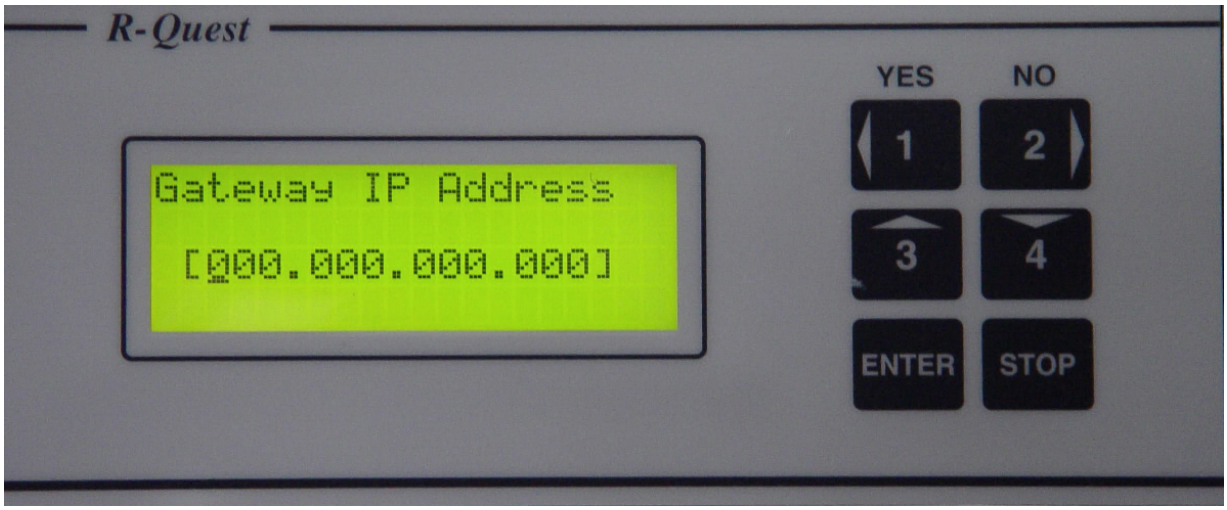
You will now be presented with:

Move the cursor manually through the Network Mask, changing each digit in turn to enter the Network (Subnet) Mask. This number should be the same as your PC's – which was found in the previous section (Network Setup)

Once again – when happy that the number entered is correct, press ENTER to save the changes, and you will be returned to the `Network Setup` Menu.

Move the cursor next to the '`Gateway IP`' list entry, and press the ENTER key.

The Display will now read:



Unless you know that you need to use a gateway, then this should be set as all zeros.

Once this configuration is completed, you will need to restart your duplicator with the network cable attached.

To test that the network configuration is correct – after the device is restarted with the network attached, try to 'ping' the IP address you have assigned to it. If this is not successful, please contact your network administrator to help troubleshoot the network configuration.

Notes:

Network Device Configuration Record:

Device Name:	Device IP:	Device Location: