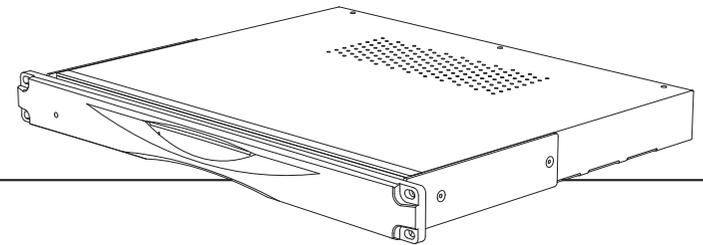




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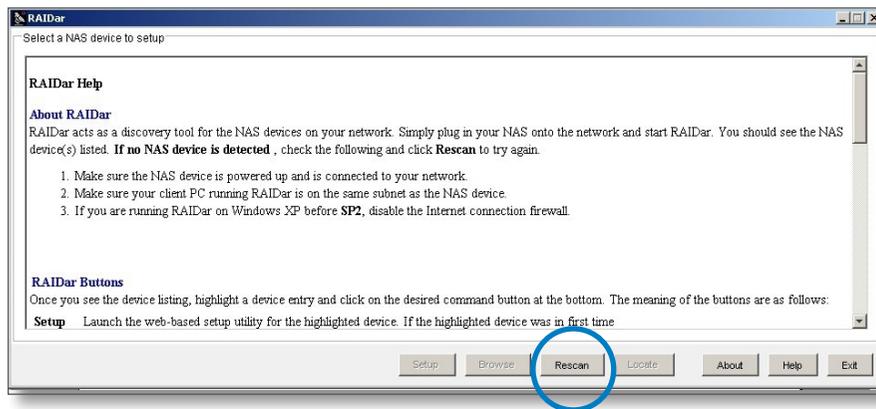
SETUP OF THE INFRANT READYNAS 1100

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SET UP OF THE INFRANT READYNAS 1100

This document describes in detail the steps needed to setup an Infrant ReadyNAS 1100 (for other NAS devices consult the documentation from your NAS vendor). These instructions assume that the NAS has been supplied with hard drives pre-installed. The RAID configuration for the Infrant ReadyNAS 1100 is best set at X-RAID. For other manufacturers' devices RAID 5 should be chosen to allow easy future expansion of storage.

1. On the installation PC/laptop disable all firewalls and the proxy server.
2. Follow the Getting Started Guide supplied with the ReadyNAS, up to and including installing the RAIDar software. Once installed and running, RAIDar will scan the network for the Ready NAS. If the screen below appears, check all connections, ensure all firewalls and the proxy server are disabled, then press 'Rescan'.



When the screen below appears, select the appropriate NAS (if more than one is available), then press 'Setup'.



You will be asked for a user name and password. Enter the default user name and password as shown in step 7 of the ReadyNAS installation guide. After you login, select 'Next' from the bottom-right corner.

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3. The 'Clock' screen

Select the appropriate timezone and time for your location. If the 'Synchronize clock...' checkbox is selected, deselect it. Press 'Apply', then 'Next'.

The screenshot shows the 'Clock' configuration screen. At the top, there are tabs for 'Clock' and 'Alerts'. Below the tabs, a message states: "Accurate clock setting is required to ensure proper file timestamps." The 'Select Timezone' section has a dropdown menu set to "GMT -08:00 Pacific Time (US & Canada); Tijuana". The 'Select Current Time' section has date pickers for "Sep 13 2007" and time pickers for "06 : 18 : 11". The 'NTP Option' section has a checkbox for "Synchronize clock with the following NTP server(s):" which is unchecked. Below it are two input fields for "NTP Server 1:" and "NTP Server 2:", both containing "0.pool.ntp.org" and "1.pool.ntp.org" respectively. At the bottom, there are buttons for "Apply", "< Back", and "Next >". The status bar at the very bottom shows "Thu Sep 13 06:17:27 2007" and various system indicators for Volume, Disk, Fan, Temp, and UPS.

4. The 'Alerts' screen

Enter one or more service email contacts. If there are any problems with the NAS, email notification will automatically be sent from the NAS. This allows the problem to be diagnosed and corrective action taken before the user is aware that a problem exists. Press 'Apply', then 'Next'.

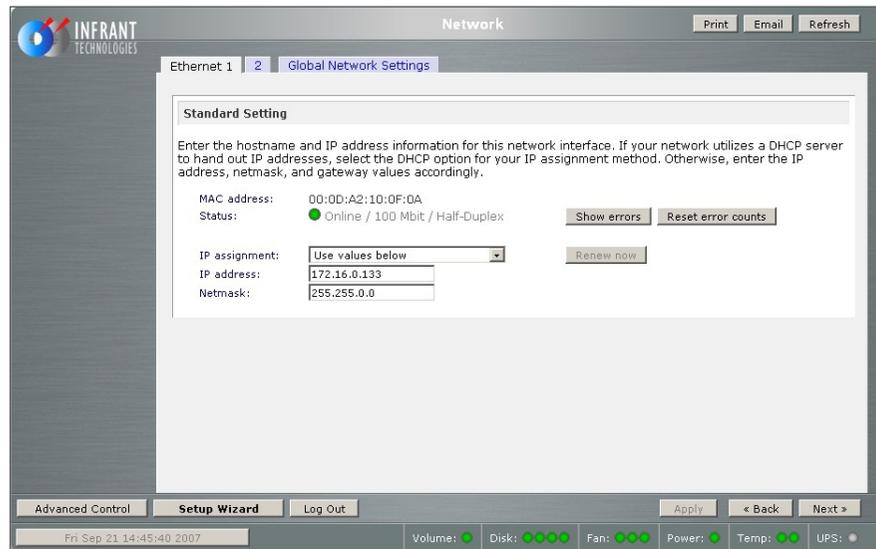
The screenshot shows the 'Alerts' configuration screen. At the top, there are tabs for 'Clock' and 'Alerts'. Below the tabs, a message states: "In the event of device or enclosure failure, quota violation, low disk space, and other system events requiring attention, email alerts will be sent." The 'Contacts' section has a text box with the instruction: "Enter the alert contact email addresses where alert messages should be sent." Below this are three input fields for "Alert Contact 1:", "Alert Contact 2:", and "Alert Contact 3:". The first field contains "you@email.com". To the right of the first field is a "Send Test Message" button. At the bottom, there are buttons for "Apply", "< Back", and "Next >". The status bar at the very bottom shows "Fri Sep 21 14:43:35 2007" and various system indicators for Volume, Disk, Fan, Power, Temp, and UPS.

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5. The 'Ethernet' screen

Set 'IP assignment' to 'Use values below'. Set the IP address to an appropriate address for the LAN (e.g. 172.16.2.130), and set 'Netmask' to 255.255.0.0. Leave other settings unchanged. Press 'Apply', then 'Next'. Press 'Next' again (ignore the 'Ethernet 2' screen).



6. On the installation PC/laptop open My Network Places.

Right-click in the window and select 'Properties'.

Highlight 'Local Area Connection' and right-click on 'Properties'.

Select 'Internet Protocol (TCP/IP)', then 'Properties'.

Select 'Use the following IP address' and change the address to be one address higher than the one being used by the NAS (and unique in the network), and set the subnet mask to 255.255.0.0.

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7. The 'Global Network Settings' screen

Set 'Default Gateway' to a suitable address for accessing the Internet via the router.

The screenshot shows the 'Global Network Settings' screen in the Infrant web interface. The page title is 'Network' and the sub-page is 'Global Network Settings'. There are three main sections: 'Hostname', 'Default Gateway', and 'DNS Settings'. The 'Hostname' field is set to 'AMS-rackmount1'. The 'Default Gateway' field is empty. The 'DNS Settings' section has four empty input fields for 'Domain name server 1', 'Domain name server 2', 'Domain name server 3', and 'Domain name'. At the bottom, there are navigation buttons: 'Advanced Control', 'Setup Wizard', 'Log Out', 'Apply', '< Back', and 'Next >'. A status bar at the very bottom shows system information: 'Fri Sep 21 14:56:06 2007', 'Volume: [green]', 'Disk: [green]', 'Fan: [green]', 'Power: [green]', 'Temp: [green]', and 'UPS: [grey]'.

8. The 'Admin Password' screen

Complete the required information. Press 'Apply', then 'Next'. You will have to log-in again using the new information.

The screenshot shows the 'Admin Password' screen in the Infrant web interface. The page title is 'Security' and the sub-page is 'Admin Password'. A warning message states: 'To change the admin password you will need to additionally specify a password recovery question, the expected answer, and an email address. In case you forget the admin password, you can reset the password by answering the password recovery question correctly and specifying the email address where the new admin password will be sent. **There is no other way to recover a lost password without setting the device back to factory default.**' Below this, there are four input fields: 'New admin password:' (masked with asterisks), 'Retype admin password:' (masked with asterisks), 'Password recovery question:' (with the text 'Where you would put your eggs'), 'Password recovery answer:' (with the text 'in a'), and 'Password recovery email address:' (with the text 'you@email.com'). At the bottom, there are navigation buttons: 'Advanced Control', 'Setup Wizard', 'Log Out', 'Apply', '< Back', and 'Next >'. A status bar at the very bottom shows system information: 'Fri Sep 21 14:58:11 2007', 'Volume: [green]', 'Disk: [green]', 'Fan: [green]', 'Power: [green]', 'Temp: [green]', and 'UPS: [grey]'.

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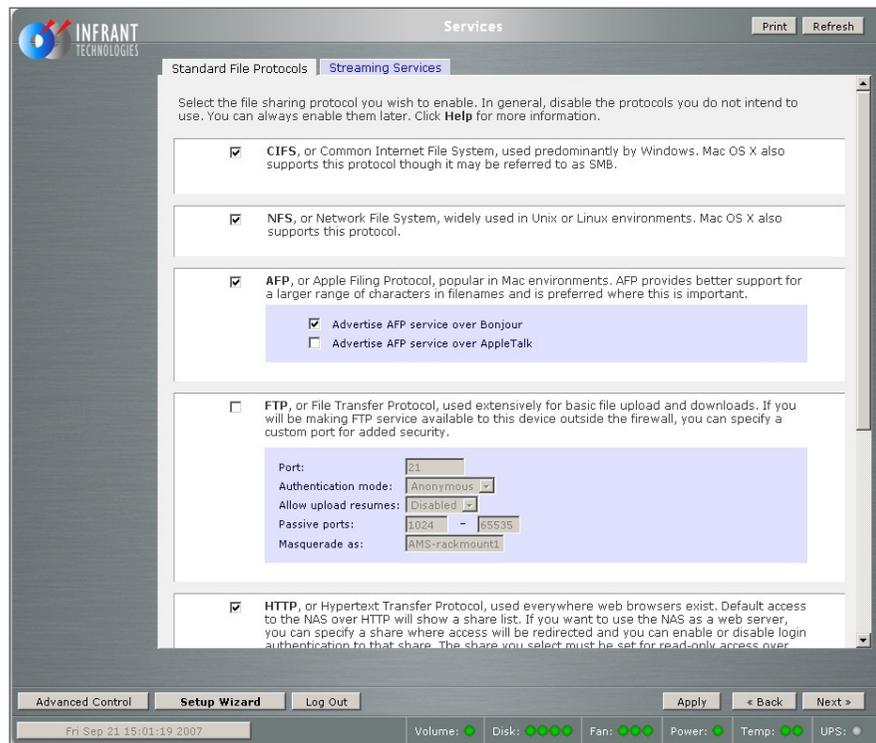
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9. The 'Security Mode' screen

Nothing on this screen needs changed. Press 'Next'.

10. The 'Standard File Protocols' screen

Select the NFS checkbox. Leave other settings unchanged. Press 'Apply', then 'Next'.



11. The 'Streaming Services' screen

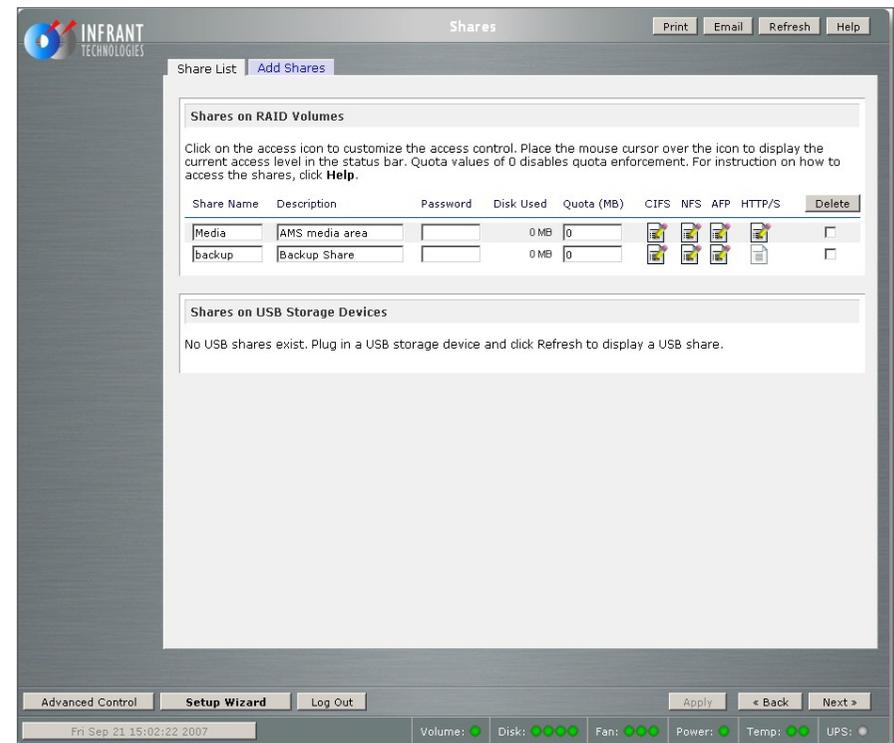
Nothing on this screen needs changed. Press 'Next'.

12. The 'Share List' screen

Delete any existing share called 'media'. Press 'Apply', then 'Next'.

13. The 'Add Shares' screen

Add a new share called 'Media' (case is important). Apply the settings.



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14. Select the 'Share List' tab. Click on the CIFS icon on the line beginning 'Media'. This will take you to 'Share Options'. For the CIFS, NFS, AFP and HTTP/S tabs ensure that 'Default Access' is set to 'Read/write'. For the Advanced Options tab, set the Advanced Share Permission options as shown below.

Advanced Share Permission

The following options are provided to override the default settings for shares and should be used with caution.

Share folder owner:

Share folder group:

Share folder owner rights:

Share folder group rights:

Share folder everyone rights:

Set ownership and permission for existing files and folders in this share to the above settings. This option is useful in cases where you are changing security levels and need to workaround file access problems.

Grant rename and delete privileges to non-owner of files.

Advanced Share Utilities

The following options provide miscellaneous share and share content functionality.

Apply the settings.

15. This completes the setup of the Infrant ReadyNAS 1100, however if you wish to register the NAS with the manufacturer, repeatedly press 'Next' until you reach the registration screen and follow the on-screen instructions.

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