

D-Link Network Assistant (DNA) User Guide



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Version History

Revision	Date	Description
3.00	March 19, 2018	<ul style="list-style-type: none">● Updated for firmware v4.00● Updated installation instructions

System Requirements

Version	Description
CPU	1.3 GHz Intel Pentium 4 processor or above
Memory	512 MB or above
Disk Space	350 MB above
Supported Operating Systems	<ul style="list-style-type: none">● Windows 7● Windows 8● Windows 10
Prerequisite Software	<ul style="list-style-type: none">● Google Chrome v44 or above● Internet Explorer 11 or above● Other browser supported by Windows operating systems

1. Introduction

The manual is organized by the menu layout in the D-Link Network Assistant (DNA).

See the Interface Overview section for more information.

Audience

This reference manual is intended for network administrators and other IT professionals responsible for managing network devices using DNA. Alternative management interfaces, such as the Web User Interface (Web UI) and Command Line Interface (CLI) may also be available for your devices but are not documented in this manual. This manual is written in a way that assumes that you already have a basic knowledge of modern networking principles.

Other Documentation

The documents below are a further source of information in regards to configuring and troubleshooting DNA. All the documents are available from the D-Link website <http://tools.dlink.com/intro/dna/> . Other documents related to DNA are:

- Quick Installation Guide

Conventions

Convention	Description
Boldface Font	Indicates a button, a toolbar icon, menu, or menu item. For example: Open the File menu and choose Cancel . Used for emphasis. May also indicate system messages or prompts appearing on screen. For example: You have mail . Bold font is also used to represent filenames, program names and commands. For example: use the copy command.
Initial capital letter	Indicates a window name. Names of keys on the keyboard have initial capitals. For example: Click Enter.
Menu Name > Menu Option	Indicates the menu structure. Device > Port > Port Properties means the Port Properties menu option under the Port menu option that is located under the Device menu.
Blue Courier Font	This convention is used to represent an example of a screen console display including example entries of CLI command input with the corresponding output.

Table 1-1 – Conventions

Notes, Notices, and Cautions

Below are examples of the three types of indicators used in this manual. When administering your device using the information in this document, you should pay special attention to these indicators. Each example below provides an explanatory remark regarding each type of indicator.



NOTE: A note indicates important information that helps you make better use of your device.



NOTICE: A notice indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



CAUTION: A caution indicates a potential for property damage, personal injury, or death.

2. Product Introduction

The D-Link Network Assistant (DNA) is an application which simplifies the first-time setup of D-Link devices. This tool is free and is available on any device that is able to run the Windows OS via web browser. It is compatible with any supported device running D-Link Discovery Protocol (DDP) version 0.22 or later, and will automatically scan the network for new or existing devices.

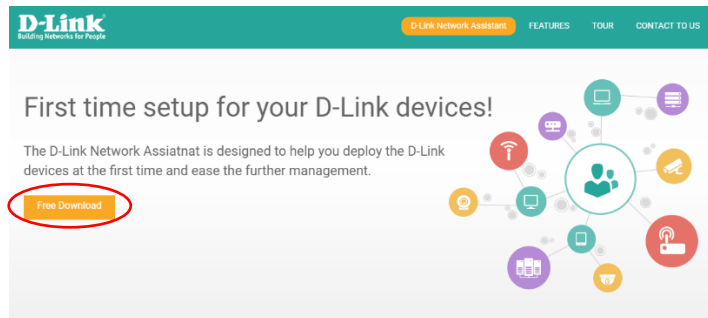
The DNA tool makes the first-time setup of D-Link switches and Security Service Routers (DSRs) simple. When a new device has been detected, it is added to the inventory, so it can be managed along with existing devices. The IP address can be set, the default username and password can be changed, and SNMP information can be configured, so that the device can be managed with an existing Network Management System (NMS).

The DNA allows you to set up new devices quickly and easily. Devices can be organized into workspaces, so that they can be managed based on physical or organizational requirements. First-time setup of devices is greatly simplified, significantly reducing the time it takes to integrate a new device with the network and lowering administration and maintenance costs.

3. Installation

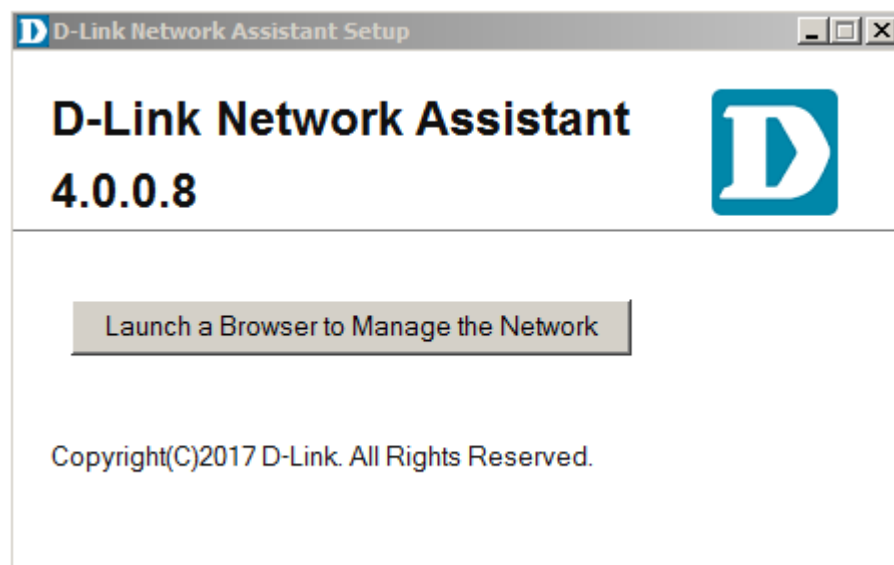
Follow these instructions to download and install the DNA tool.

1. Go to <http://tools.dlink.com/intro/dna> and click **Free Download**. On the next page, click **Download** to download the DNA installer file to your local hard drive.

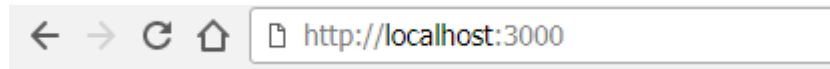


2. Run the DNA installer file and follow the on-screen instructions to complete the installation.
3. Once installed, run the DNA application and click **.Launch a Browser to Manage the Network**. This will launch your default web browser and open the DNA interface window.

To use DNA in a different browser, enter **http://localhost:[listening port]** into the address bar.



To use DNA in a different browser, enter **http://localhost:[listening port]** into the address bar. For example, using the default listening port 3000, enter **http://localhost:3000/** into the address bar.



4. Interface Overview

This provides an overview of the different areas of the interface.

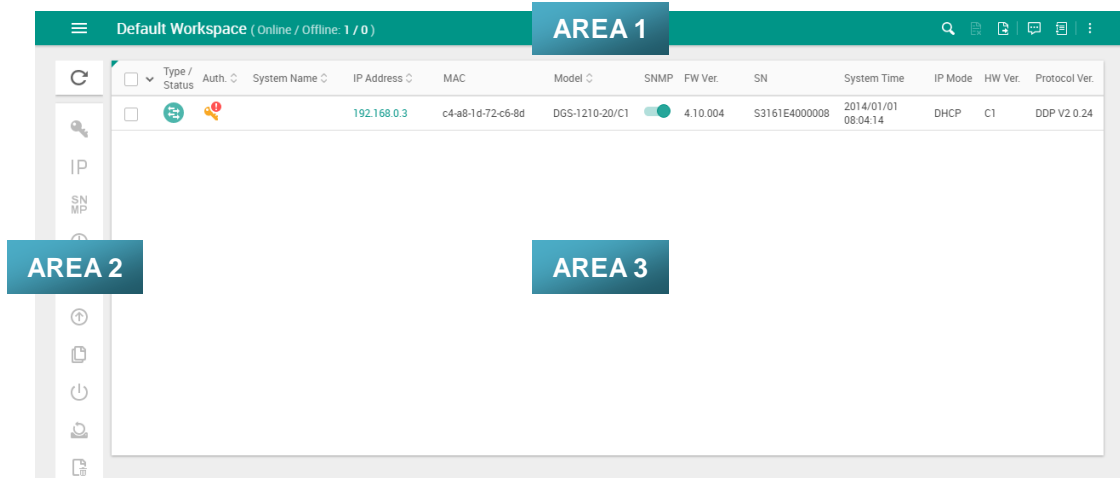


Figure 4-1 – Interface Overview

Field	Description
AREA 1	This is the toolbar and is always displayed in the workspace.
AREA 2	This is the batch settings menu which is always displayed in the workspace.
AREA 3	This is the main window, which contains device information and the device inventory.

Table 4-1 – Interface Overview



NOTE: Ensure that there is IP connectivity to the devices that you wish to manage from your management PC or device before continuing with the instructions.

5. Toolbar

This is the DNA toolbar, which contains features which are present in all workspaces.

The toolbar is always displayed in the workspace:

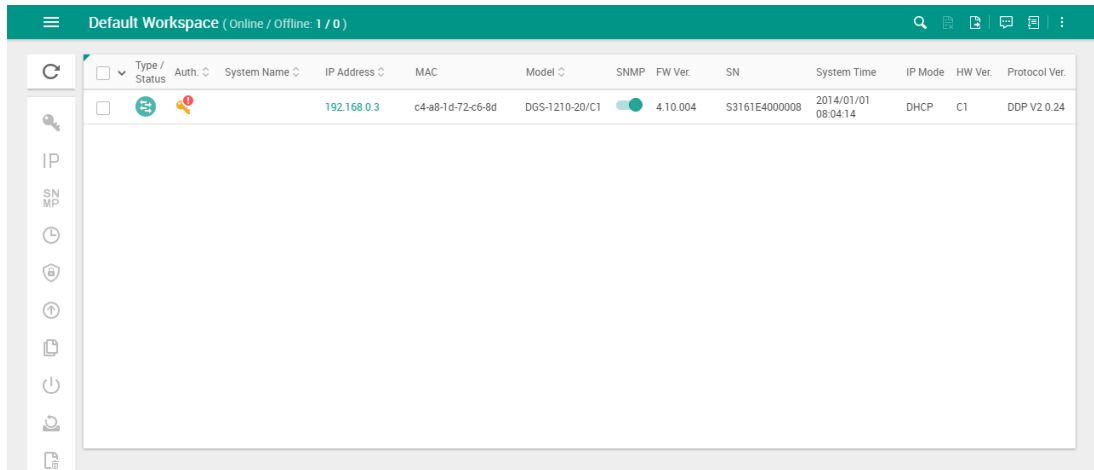


Figure 5-1 – Toolbar

The following fields are available:

Field	Description																		
	The workspace management menu. This allows workspaces to be created, deleted, and renamed, and also allows global settings to be set.																		
	<p>The search feature. This is used for searching the workspace for specific device states.</p> <table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Search...</td> <td>Enter device properties to search the workspace for here.</td> </tr> <tr> <td></td> <td>Press this to begin the search.</td> </tr> <tr> <td></td> <td>Press this to get a list of pre-set device states to search for.</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>IP Conflict(s)</td> <td>Search for devices in the workspace with IP conflicts.</td> </tr> <tr> <td>SNMP off</td> <td>Search for devices in the workspace with SNMP off.</td> </tr> <tr> <td>New firmware available</td> <td>Search for devices in the workspace with new firmware available.</td> </tr> <tr> <td>Unauthenticated</td> <td>Search for unauthenticated devices in the workspace.</td> </tr> </tbody> </table>	Field	Description	Search...	Enter device properties to search the workspace for here.		Press this to begin the search.		Press this to get a list of pre-set device states to search for.	Field	Description	IP Conflict(s)	Search for devices in the workspace with IP conflicts.	SNMP off	Search for devices in the workspace with SNMP off.	New firmware available	Search for devices in the workspace with new firmware available.	Unauthenticated	Search for unauthenticated devices in the workspace.
Field	Description																		
Search...	Enter device properties to search the workspace for here.																		
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IP Conflict(s)	Search for devices in the workspace with IP conflicts.																		
SNMP off	Search for devices in the workspace with SNMP off.																		
New firmware available	Search for devices in the workspace with new firmware available.																		
Unauthenticated	Search for unauthenticated devices in the workspace.																		
	<p>The ignore list. This is for devices which have been removed from the workspace. There must be devices present in the ignore list for this icon to be available.</p> <p>See the Ignore List section below for more information.</p>																		











	<p>The export feature. This is used to export the inventory in Comma Separated Value (CSV) format.</p>														
	<p>The feedback menu. This is used to send problem reports, questions or bugs to the software manufacturers.</p> <table border="1" data-bbox="560 349 1422 842"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Feedback type</td> <td>Select the feedback type. This can be: Problem, Request, Question, Bug, Complaint, Others.</td> </tr> <tr> <td>Your name</td> <td>Enter your name. This is a required field.</td> </tr> <tr> <td>Email address</td> <td>Enter your email address. This is a required field.</td> </tr> <tr> <td>Subject</td> <td>Enter the subject of your message. This is a required field.</td> </tr> <tr> <td>Description</td> <td>Enter your message. This is a minimum of 10 words and a maximum of 2000. This is a required field.</td> </tr> <tr> <td>Add attachment</td> <td>Click Add attachment to add an attachment to the message. This can be up to 10 files, with a total combined file size of 10 MB.</td> </tr> </tbody> </table>	Field	Description	Feedback type	Select the feedback type. This can be: Problem, Request, Question, Bug, Complaint, Others.	Your name	Enter your name. This is a required field.	Email address	Enter your email address. This is a required field.	Subject	Enter the subject of your message. This is a required field.	Description	Enter your message. This is a minimum of 10 words and a maximum of 2000. This is a required field.	Add attachment	Click Add attachment to add an attachment to the message. This can be up to 10 files, with a total combined file size of 10 MB.
Field	Description														
Feedback type	Select the feedback type. This can be: Problem, Request, Question, Bug, Complaint, Others.														
Your name	Enter your name. This is a required field.														
Email address	Enter your email address. This is a required field.														
Subject	Enter the subject of your message. This is a required field.														
Description	Enter your message. This is a minimum of 10 words and a maximum of 2000. This is a required field.														
Add attachment	Click Add attachment to add an attachment to the message. This can be up to 10 files, with a total combined file size of 10 MB.														
	<p>The introduction screen. This is shown when you log-in to DNA for the first time.</p>														
	<p>The credential information for the workspace. This is used to manage the stored credentials. See the table below for more information:</p> <table border="1" data-bbox="560 1019 1422 1563"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td></td> <td>Clear the stored credentials for all devices in the workspace. Clicking this will display a clear credentials window, which will ask you to confirm clearing the default credentials and device credentials. Click Yes, clear them to clear the credentials and Cancel to return to the previous page.</td> </tr> <tr> <td></td> <td>Set the default credentials to be used with all workspaces. Clicking this will display a default workspace credentials window, which will allow you to set default workspace credentials, or specify not to set any credentials. Tick the Don't set box not to use any credentials, or enter in default device credentials in the Username and Password boxes. Click Save to save the changes and Cancel to return to the previous page.</td> </tr> </tbody> </table>	Field	Description		Clear the stored credentials for all devices in the workspace. Clicking this will display a clear credentials window, which will ask you to confirm clearing the default credentials and device credentials. Click Yes, clear them to clear the credentials and Cancel to return to the previous page.		Set the default credentials to be used with all workspaces. Clicking this will display a default workspace credentials window, which will allow you to set default workspace credentials, or specify not to set any credentials. Tick the Don't set box not to use any credentials, or enter in default device credentials in the Username and Password boxes. Click Save to save the changes and Cancel to return to the previous page.								
Field	Description														
	Clear the stored credentials for all devices in the workspace. Clicking this will display a clear credentials window, which will ask you to confirm clearing the default credentials and device credentials. Click Yes, clear them to clear the credentials and Cancel to return to the previous page.														
	Set the default credentials to be used with all workspaces. Clicking this will display a default workspace credentials window, which will allow you to set default workspace credentials, or specify not to set any credentials. Tick the Don't set box not to use any credentials, or enter in default device credentials in the Username and Password boxes. Click Save to save the changes and Cancel to return to the previous page.														

Table 5-1 – Toolbar

Workspace Management

This is a sub menu which is displayed when the menu button is pressed in the top left hand corner of the DNA interface.

It can be viewed by pressing the menu button in the top left hand corner of the interface:

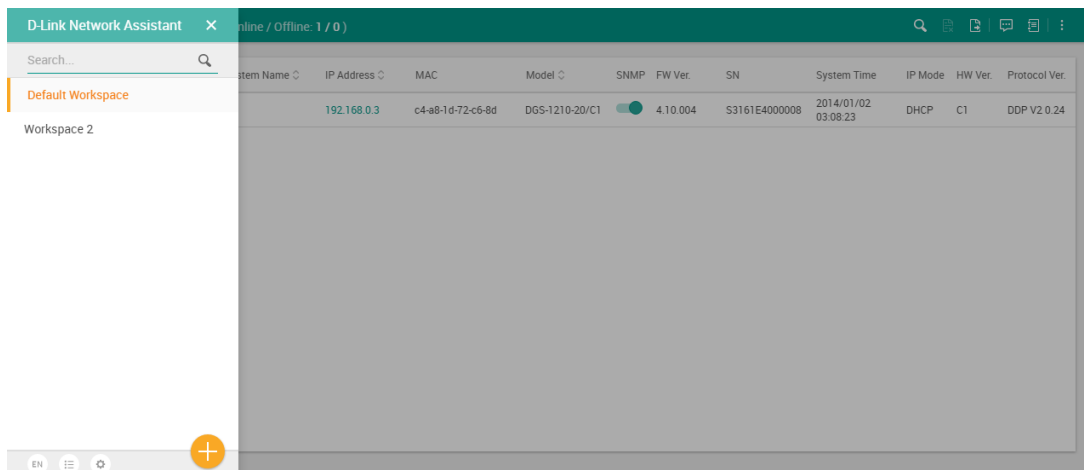











Figure 5-2 – Workspace Management

The following fields are available:

Field	Description						
	This is used to search for workspaces. The results are shown in the area below.						
	<p>This area shows the search results and workspaces available when no search has been entered.</p> <table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td></td> <td>Rename the workspace by clicking this button. This is only displayed when hovering over the button with the mouse. This will open a Rename Workspace window which can be used to rename the workspace. Click Rename this Workspace to rename the workspace or Cancel to return to the previous page.</td> </tr> <tr> <td></td> <td>Delete the workspace by clicking this button. This is only displayed when hovering over the button with the mouse. This will open a Delete Workspace window which can be used to delete the workspace. Select the workspace and click Yes, delete this Workspace to delete the workspace, or Cancel to return to the previous page.</td> </tr> </tbody> </table> <p> NOTE: This icon is only displayed when there is more than 1 workspace in the list.</p>	Field	Description		Rename the workspace by clicking this button. This is only displayed when hovering over the button with the mouse. This will open a Rename Workspace window which can be used to rename the workspace. Click Rename this Workspace to rename the workspace or Cancel to return to the previous page.		Delete the workspace by clicking this button. This is only displayed when hovering over the button with the mouse. This will open a Delete Workspace window which can be used to delete the workspace. Select the workspace and click Yes, delete this Workspace to delete the workspace, or Cancel to return to the previous page.
Field	Description						
	Rename the workspace by clicking this button. This is only displayed when hovering over the button with the mouse. This will open a Rename Workspace window which can be used to rename the workspace. Click Rename this Workspace to rename the workspace or Cancel to return to the previous page.						
	Delete the workspace by clicking this button. This is only displayed when hovering over the button with the mouse. This will open a Delete Workspace window which can be used to delete the workspace. Select the workspace and click Yes, delete this Workspace to delete the workspace, or Cancel to return to the previous page.						





	<p>This is used to change the language of DNA. Currently supported languages are EN (English), 简 (Simplified Chinese), 繁 (Traditional Chinese).</p>										
	<p>This is the list of devices that DNA supports. Clicking this will open the Supported Devices window. The device model, minimum hardware version and minimum firmware version are displayed. Devices are also grouped into categories such as switches and Security Service Routers (DSRs).</p>										
	<p>These are the global settings for DNA.</p> <table border="1" data-bbox="608 521 1418 1128"> <thead> <tr> <th data-bbox="608 521 823 568">Field</th> <th data-bbox="823 521 1418 568">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="608 568 823 680">Country</td> <td data-bbox="823 568 1418 680">Choose the country that DNA is being used in. This is used to determine the firmware which is available. This is a required field.</td> </tr> <tr> <td data-bbox="608 680 823 792">Backup file path</td> <td data-bbox="823 680 1418 792">Enter the backup path for device backups using the DNA backup function. This is a required field.</td> </tr> <tr> <td data-bbox="608 792 823 927">Auto-discover devices when launching DNA</td> <td data-bbox="823 792 1418 927">Enable this to automatically scan for devices when launching DNA. The default is enabled.</td> </tr> <tr> <td data-bbox="608 927 823 1128">Clear credentials of all workspaces when closing DNA</td> <td data-bbox="823 927 1418 1128">Enable this to clear all stored credentials when exiting DNA. The default is disabled.</td> </tr> </tbody> </table> <p>Click Save to save the settings or Cancel to return to the previous page.</p>	Field	Description	Country	Choose the country that DNA is being used in. This is used to determine the firmware which is available. This is a required field.	Backup file path	Enter the backup path for device backups using the DNA backup function. This is a required field.	Auto-discover devices when launching DNA	Enable this to automatically scan for devices when launching DNA. The default is enabled.	Clear credentials of all workspaces when closing DNA	Enable this to clear all stored credentials when exiting DNA. The default is disabled.
Field	Description										
Country	Choose the country that DNA is being used in. This is used to determine the firmware which is available. This is a required field.										
Backup file path	Enter the backup path for device backups using the DNA backup function. This is a required field.										
Auto-discover devices when launching DNA	Enable this to automatically scan for devices when launching DNA. The default is enabled.										
Clear credentials of all workspaces when closing DNA	Enable this to clear all stored credentials when exiting DNA. The default is disabled.										
	<p>This is used to create a new workspace. Click this button to display a Create a new Workspace window. Enter a Name for the workspace and click Create Workspace to create the workspace or Cancel to return to the previous page. The maximum number of characters that can be entered is 32.</p>										

Table 5-2 – Workspace Management

Ignore List

This is the list of devices which have been removed from the inventory list in the workspace. They are still present in DNA, but will not be re-added to the workspace when the network is scanned for devices and are not managed through the workspace.

Use the ignore list icon in the toolbar to access the ignore list:

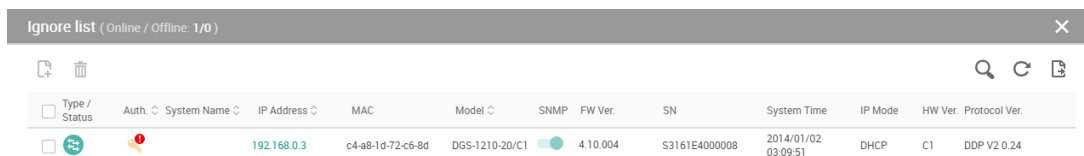


Figure 5-3 – Ignore List

The following fields are available:

Field	Description																		
	Select a device in the list and click this to return the device to the inventory list or workspace.																		
	Select a device in the list and click this to remove the device from the ignore list. This will cause the device to reappear in each workspace when the network is scanned for devices.																		
	Enter device properties to search the ignore list for here. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><input type="text" value="Search..."/></td> <td>Enter device properties to search the workspace for here.</td> </tr> <tr> <td></td> <td>Press this to begin the search.</td> </tr> <tr> <td></td> <td>Press this to get a list of pre-set device states to search for. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>IP Conflict(s)</td> <td>Search for devices in the workspace with IP conflicts.</td> </tr> <tr> <td>SNMP off</td> <td>Search for devices in the workspace with SNMP off.</td> </tr> <tr> <td>New firmware available</td> <td>Search for devices in the workspace with new firmware available.</td> </tr> <tr> <td>Unauthenticated</td> <td>Search for unauthenticated devices in the workspace.</td> </tr> </tbody> </table> </td> </tr> </tbody> </table>	Field	Description	<input type="text" value="Search..."/>	Enter device properties to search the workspace for here.		Press this to begin the search.		Press this to get a list of pre-set device states to search for. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>IP Conflict(s)</td> <td>Search for devices in the workspace with IP conflicts.</td> </tr> <tr> <td>SNMP off</td> <td>Search for devices in the workspace with SNMP off.</td> </tr> <tr> <td>New firmware available</td> <td>Search for devices in the workspace with new firmware available.</td> </tr> <tr> <td>Unauthenticated</td> <td>Search for unauthenticated devices in the workspace.</td> </tr> </tbody> </table>	Field	Description	IP Conflict(s)	Search for devices in the workspace with IP conflicts.	SNMP off	Search for devices in the workspace with SNMP off.	New firmware available	Search for devices in the workspace with new firmware available.	Unauthenticated	Search for unauthenticated devices in the workspace.
Field	Description																		
<input type="text" value="Search..."/>	Enter device properties to search the workspace for here.																		
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Field	Description																		
IP Conflict(s)	Search for devices in the workspace with IP conflicts.																		
SNMP off	Search for devices in the workspace with SNMP off.																		
New firmware available	Search for devices in the workspace with new firmware available.																		
Unauthenticated	Search for unauthenticated devices in the workspace.																		
	Press this to refresh the ignore list.																		


	Press this to export the ignore list in Comma Separated Value (CSV) format.
Select	Select either an individual device by ticking the check box next to the device, or choose all devices by ticking the check box at the top of the column.
Type/Status	This is the device type and status. An icon will be displayed for the device type (switches, DSRs etc.) and the color of the icon will change, depending on device availability.
Auth.	This is whether or not the device has been authenticated. If the device can be authenticated, the icon will be amber. If the device cannot be authenticated, the icon color will be gray, and a warning will appear if the device is using the default device username and password.
System Name	This is the hostname set on the device.
IP Address	This is the management IP address of the device.
MAC	This is the MAC address of the device.
Model	This is the model number the device.
SNMP	This is whether Simple Network Management Protocol (SNMP) is enabled on the device. This cannot be changed from the ignore list.
FW Ver.	This is the firmware version the device.
SN	This is the serial number of the device.
System Time	This is the system time on the device.
IP Mode	This is the IP mode the device. If the switch is set to acquire an address automatically, this will be set to DHCP. If this has a static IP address, this will be set to Static.
HW Ver.	This is the hardware version of the device.
Protocol Ver.	This is the D-Link Discovery Protocol (DDP) version in use on the device.

Table 5-3 – Ignore List

6. Batch Settings

These can be used to apply settings to multiple devices.



NOTE: This menu is only available when two or more devices have been selected in the workspace.

The batch settings are always displayed in the workspace:

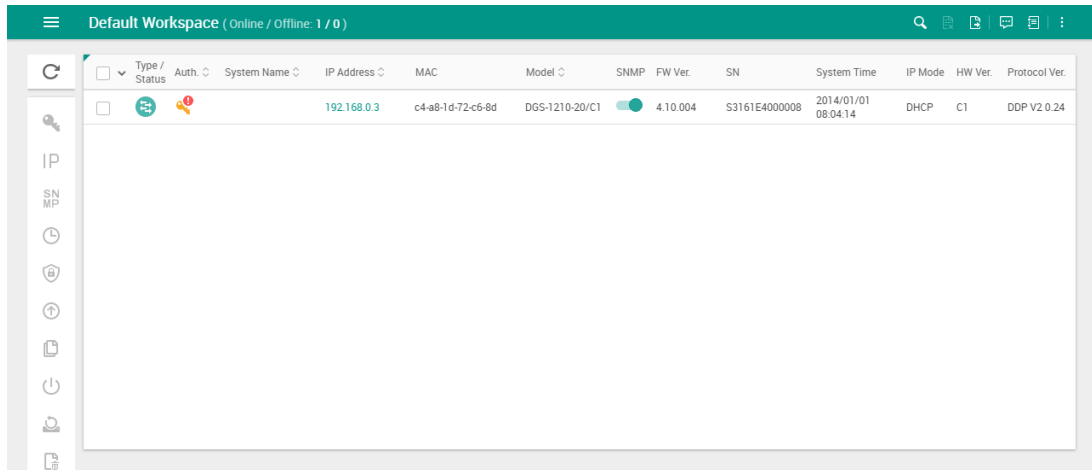






























Figure 6-1 – Batch Settings

The following fields are available:

Field	Description						
	Re-scan the network for devices and refresh the inventory list in the workspace.						
	<p>Enter shared authentication information. This only appears if all devices cannot be authenticated with DNA.</p> <table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Username</td> <td>Enter the username to authenticate with the selected devices.</td> </tr> <tr> <td>Password</td> <td>Enter the password to authenticate with the selected devices.</td> </tr> </tbody> </table> <p>Click Save to save the settings or Cancel to return to the previous page.</p>	Field	Description	Username	Enter the username to authenticate with the selected devices.	Password	Enter the password to authenticate with the selected devices.
Field	Description						
Username	Enter the username to authenticate with the selected devices.						
Password	Enter the password to authenticate with the selected devices.						
IP	<p>Configure settings for automatic IP assignment, such as enabling DHCP mode and automatically assigning static IPs for selected devices.</p> <table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Enable DHCP mode</td> <td>Enable DHCP for the selected devices.</td> </tr> </tbody> </table>	Field	Description	Enable DHCP mode	Enable DHCP for the selected devices.		
Field	Description						
Enable DHCP mode	Enable DHCP for the selected devices.						

	Auto assign static IPs	<p>Assign static IPs automatically to the selected devices.</p> <table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Start from IP</td> <td>Enter the start IP to use for the range.</td> </tr> <tr> <td>Subnet mask</td> <td>Enter the subnet mask to use for the automatically assigned IPs.</td> </tr> <tr> <td>Default gateway</td> <td>Enter the default gateway for the selected devices.</td> </tr> </tbody> </table> <p>Click Apply to apply the settings or Cancel to return to the previous page.</p>	Field	Description	Start from IP	Enter the start IP to use for the range.	Subnet mask	Enter the subnet mask to use for the automatically assigned IPs.	Default gateway	Enter the default gateway for the selected devices.										
Field	Description																			
Start from IP	Enter the start IP to use for the range.																			
Subnet mask	Enter the subnet mask to use for the automatically assigned IPs.																			
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	Keep the IP configuration for these devices	Move the slider to the right to keep the IP configuration for the device, and move it to the left to include the device IP address in the configuration that will be lost when the device is reset.
Click Yes, reset these devices to reset the configuration on these devices to the factory default, or Cancel to return to the previous page.		
	Remove all selected devices from the inventory list. Click Yes, remove devices to remove the devices from the inventory list, or Cancel to return to the previous page.	

Table 6-1 – Batch Settings



NOTE: The authentication information in DNA needs to be correct in order to apply batch settings to a device. If DNA cannot authenticate with a device, then it will not be possible to batch manage devices.

7. Main Window

This is the main window of the DNA interface, where the inventory list is displayed in the workspace. Use this to manage devices and view the general overview of all devices in the workspace.

The main window is displayed when a workspace is selected:

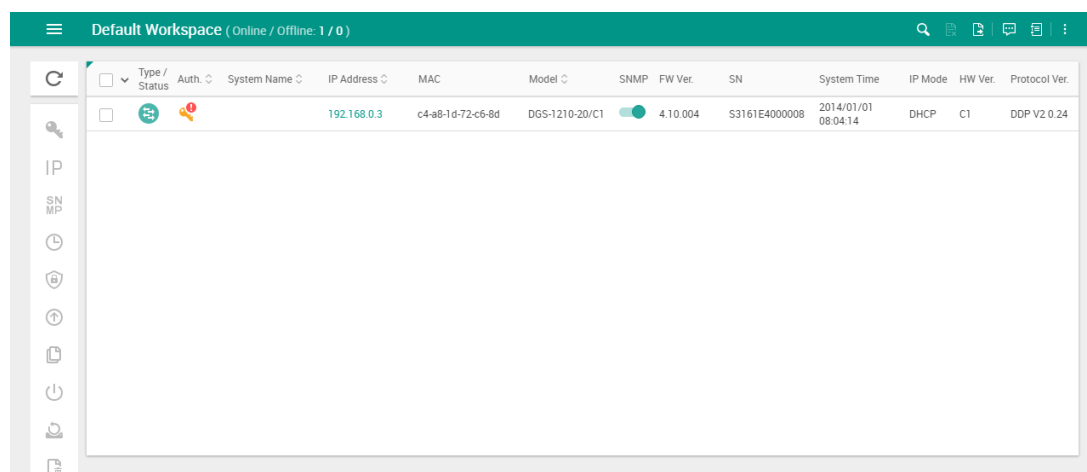


Figure 7-1 – Main Window

The following fields are available:

Field	Description
Select	Select either an individual device by ticking the check box next to the device, or choose all devices by ticking the check box at the top of the column.
Type/Status	This is the device type and status. An icon will be displayed for the device type (switches, DSRs etc.) and the color of the icon will change, depending on device availability.
Auth.	This is whether or not the device has been authenticated. If the device can be authenticated, the icon will be amber. If the device cannot be authenticated, the icon color will be gray, and a warning will appear if the device is using the default device username and password.
System Name	This is the hostname set on the device.
IP Address	This is the management IP address of the device.
MAC	This is the MAC address of the device.
Model	This is the model number the device.
SNMP	This is whether SNMP is enabled on the device. Move the slider to the right to enable SNMP and move it to the left to disable SNMP.
FW Ver.	This is the firmware version the device.
SN	This is the serial number of the device.
System Time	This is the system time on the device.
IP Mode	This is the IP mode the device. If the switch is set to acquire an address automatically, this will be set to DHCP. If this has a static IP address, this will be set to Static.
HW Ver.	This is the hardware version of the device.

Protocol Ver.	This is the D-Link Discovery Protocol (DDP) version in use on the device.
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Table 7-1 – Main Window

Device Settings

These are settings that apply to individual devices, and are the same settings which appear in the batch settings menu.

They can be viewed by hovering over the individual device entry in the workspace:

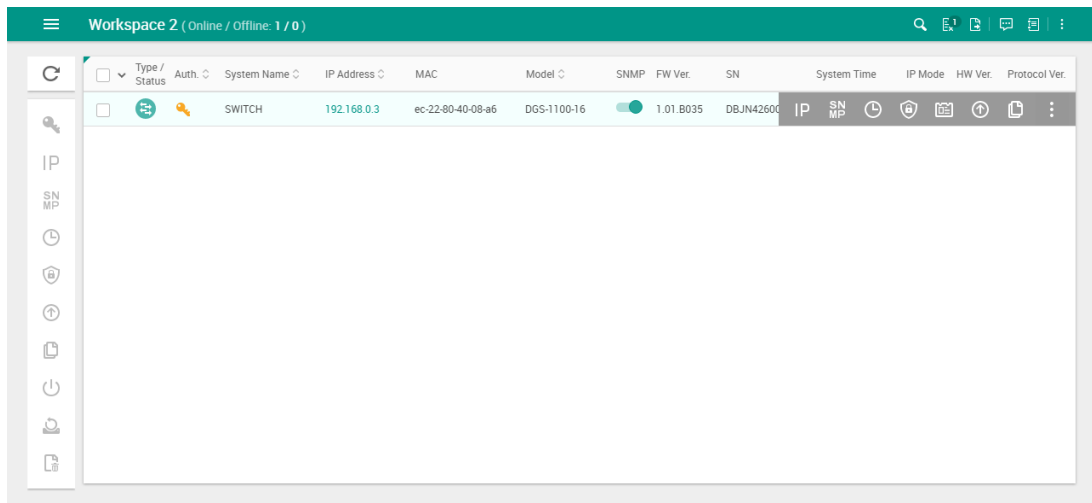














Figure 7-2 – Device Settings

The following fields are available:

Field	Description															
IP	Change IP settings, such as statically assigning an IP address to the device, or configuring it for DHCP.															
	<table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Static</td> <td>Assign a static IP to the device.</td> </tr> <tr> <td> <table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>IP address</td> <td>Enter the IP address to assign to the device.</td> </tr> <tr> <td>Subnet mask</td> <td>Enter the subnet mask for the device.</td> </tr> <tr> <td>Default gateway</td> <td>Enter the default gateway for the device.</td> </tr> </tbody> </table> </td> </tr> <tr> <td>DHCP</td> <td>Enable DHCP on the device.</td> </tr> </tbody> </table>	Field	Description	Static	Assign a static IP to the device.	<table border="1"> <thead> <tr> <th>Field</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>IP address</td> <td>Enter the IP address to assign to the device.</td> </tr> <tr> <td>Subnet mask</td> <td>Enter the subnet mask for the device.</td> </tr> <tr> <td>Default gateway</td> <td>Enter the default gateway for the device.</td> </tr> </tbody> </table>	Field	Description	IP address	Enter the IP address to assign to the device.	Subnet mask	Enter the subnet mask for the device.	Default gateway	Enter the default gateway for the device.	DHCP	Enable DHCP on the device.
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Click Apply to apply the settings or Cancel to return to the previous page.																
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		Remove the community string.
Click Apply to apply the settings or Cancel to return to the previous page.		
	Set the time zone for the device, including configuring a network time source using Network Time Protocol (NTP) or Simple Network Time Protocol (SNTP).	
Field Description		
Time zone Choose the local time zone from the list.		
Device time Use the time set locally on the device. This can be set using the Date and Time fields.		
Use NTP / SNTP server Use a network time source for clock synchronization. Choose IPv4 and enter an IP address in the field below.		
Click Apply to apply the settings or Cancel to return to the previous page.		
	Change the password for selected devices.	
Field Description		
New password Enter the new password to be used with the device. The Show/Hide characters button () can be used to show or hide the entered password.		
Repeat password Confirm the new password to be used with the device. The Show/Hide characters button () can be used to show or hide the entered password.		
Click Apply to apply the settings or Cancel to return to the previous page.		
	Change the system name for the device.	
Field Description		
System Name Enter the hostname for the device.		
Click Apply to apply the settings or Cancel to return to the previous page.		
	Upgrade the firmware on the device.	
Field Description		
Current firmware version This displays the current firmware on the device.		
Update firmware using a local file Drag and drop a firmware file here to upload it to the device, or click browse to select a file on the local filesystem.		

	<p>Back up or restore the device configuration.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #333; color: white;"> <th style="text-align: left;">Field</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">Backup</td> <td> Back up the device configuration. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr style="background-color: #333; color: white;"> <th style="text-align: left;">Field</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">Filename</td> <td>This shows the file name that will be used for the saved configuration file.</td> </tr> </tbody> </table> Click Backup now to begin the backup or Cancel to return to the previous page. </td> </tr> <tr> <td style="vertical-align: top;">Restore</td> <td> Restore the device configuration. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr style="background-color: #333; color: white;"> <th style="text-align: left;">Field</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">Restore from a previous backup file</td> <td> This option is available if a backup has been made using the Backup tab. A list of the stored backups is displayed at the bottom of the page. Click Restore to restore a particular backup file, or press Delete to delete it. </td> </tr> <tr> <td style="vertical-align: top;">Restore using a local file</td> <td> Drag and drop a configuration file here to upload it to the device, or click browse to select a file on the local filesystem. </td> </tr> </tbody> </table> </td> </tr> </tbody> </table>	Field	Description	Backup	Back up the device configuration. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr style="background-color: #333; color: white;"> <th style="text-align: left;">Field</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">Filename</td> <td>This shows the file name that will be used for the saved configuration file.</td> </tr> </tbody> </table> Click Backup now to begin the backup or Cancel to return to the previous page.	Field	Description	Filename	This shows the file name that will be used for the saved configuration file.	Restore	Restore the device configuration. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr style="background-color: #333; color: white;"> <th style="text-align: left;">Field</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">Restore from a previous backup file</td> <td> This option is available if a backup has been made using the Backup tab. A list of the stored backups is displayed at the bottom of the page. Click Restore to restore a particular backup file, or press Delete to delete it. </td> </tr> <tr> <td style="vertical-align: top;">Restore using a local file</td> <td> Drag and drop a configuration file here to upload it to the device, or click browse to select a file on the local filesystem. </td> </tr> </tbody> </table>	Field	Description	Restore from a previous backup file	This option is available if a backup has been made using the Backup tab. A list of the stored backups is displayed at the bottom of the page. Click Restore to restore a particular backup file, or press Delete to delete it.	Restore using a local file	Drag and drop a configuration file here to upload it to the device, or click browse to select a file on the local filesystem.
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Field	Description																
All configurations will be lost	Tick this to confirm that you are aware that all configuration will be lost when the device is reset.																
The system will reboot and be unavailable for roughly 90 seconds	Tick this to confirm that you are aware that the system will reboot and be unavailable for roughly 90 seconds when the device is reset.																
The network will be disconnected shortly	Tick this to confirm that you are aware that the network will be disconnected shortly after the device is reset.																
Keep the IP configuration for this device	Move the slider to the right to keep the IP configuration for the device, and move it to the left to include the device IP address in the configuration that will be lost when the device is reset.																



	<p>The device journey. This displayed the history of changes to the device. Select the From and To date to show a device history for particular dates.</p>
	<p>Remove the selected device from the inventory list. Click Yes, remove devices to remove the devices from the inventory list, or Cancel to return to the previous page.</p>

Table 7-2 – Device Settings