

**BenQ**

Wireless Navigator  
User's Manual

Welcome

# Copyright

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# 1 Overview

## System Requirements

In order to completely create and display presentations using BenQ Wireless Navigator it is necessary to have a notebook or Tablet PC and a projector with Wireless Navigator. The corresponding system requirements are listed below:

### Notebook or Tablet PC Specifications

- Windows 2000 or XP (Home, Pro and Tablet PC editions)
- 32 MB of RAM
- 50 MB hard drive
- CD-ROM drive
- Embedded/Add-on Wireless capability (802.11b compatible)\*

\*The Wireless Navigator software has been tested to be compatible with different wireless client cards as below. Ensure you have installed the latest driver when using the wireless card.

Wireless Card Type	Vendor	Model	Wireless Standard
Embedded	Atheros	HP WLAN a/b/g W500	802.11a/b/g
Embedded	Centrino	Intel	802.11b
PC Card	Netgear	MA511	802.11b
PC Card	Netgear	MA521	802.11b
PC Card	Netgear	WG511T	802.11a/b/g
PC Card	Dlink	Airplus 650+	802.11b
PC Card	Linksys	WPC54GS	802.11a/b/g
PC Card	US Robotics	USR2210	802.11b
PC Card	SpeedStream (Siemens)	SS1021	802.11b
PC Card	D-Link	DWL-650+	802.11b
PC Card	Xircom (Intel)	CWE-1130	802.11b
PC Card	TrendNet	TEW-221PC	802.11b
PC Card	US Robotics	USR2210	802.11b
PC Card	Dell TrueMobile 1150	1150 PC Card	802.11b
PC Card	Cisco	AiroNet 350	802.11b
USB Adapter	Linksys	WUSB12	802.11b
USB Adapter	ASUS*	WL161	802.11b

### Projector

A compatible projector with BenQ Wireless Navigator embedded software

## 2 Software Installation and Setup

### Pre-installation Check

1. Check that your system meets the system requirements for operating system and hardware requirements described under “System Requirements” in the “Overview” chapter.
2. Ensure you have sufficient privileges to install software.
3. Ensure you have uninstalled any previously installed BenQ Wireless Navigator software.
4. Close any other applications being run.

## BenQ Wireless Software Installation - Notebooks

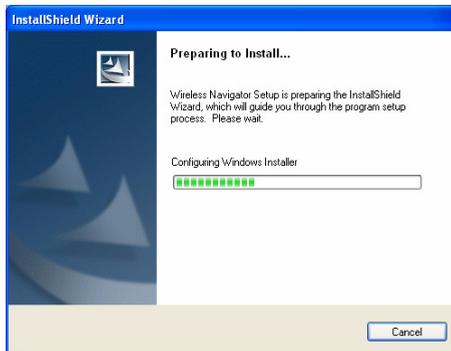
1. Insert the CD in the notebook or desktop’s CD-ROM drive.

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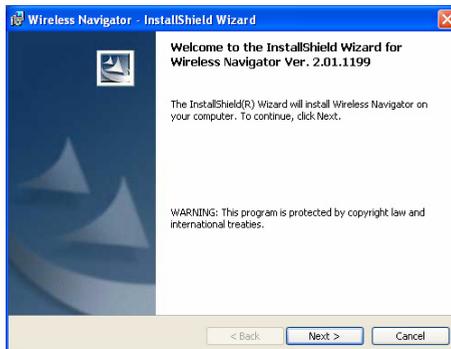
The Setup program may auto-run on some systems after inserting the CD.

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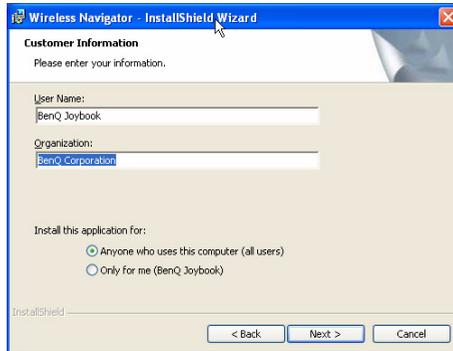
2. If installation does not begin automatically, browse the CD using Windows Explorer and double-click Setup.exe to begin installation.



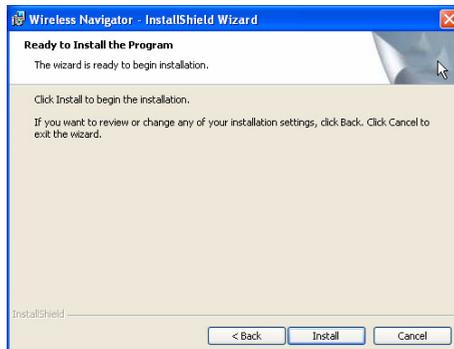
3. The InstallShield Wizard will guide you through the installation process.



4. Required information that must be entered before the installation process can proceed.



5. As shown above, you may choose either a typical or custom installation. The Typical option will install Wireless Navigator into a default folder under Program Files. The Custom option will let you choose the software features and location.
6. Typical Installation: Review settings at this point before beginning installation.





7. Installation of Wireless Navigator has completed. Click **Finish** to complete setup.



8. Restart your notebook.

## Wireless Navigator Custom Software Installation

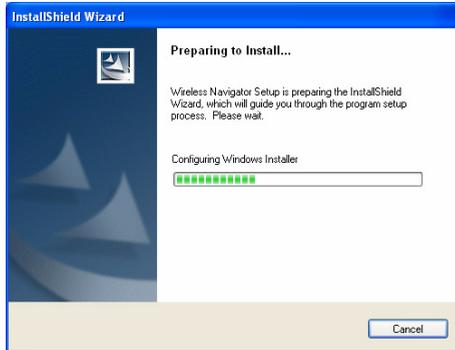
1. Insert the CD in the notebook or desktop's CD-ROM drive.

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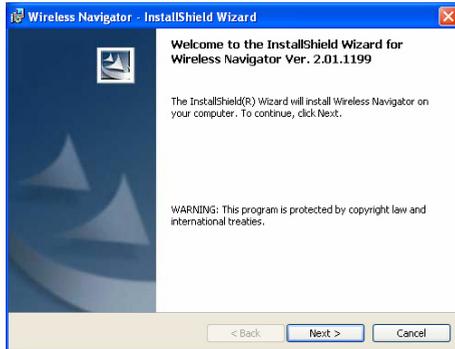
The Setup program may auto-run on some systems after inserting the CD.

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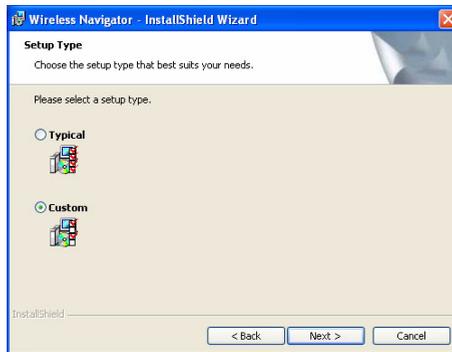
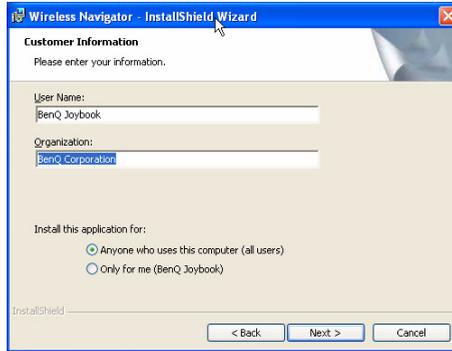
2. If installation does not begin automatically, browse the CD using Windows Explorer and double-click Setup.exe to begin installation.



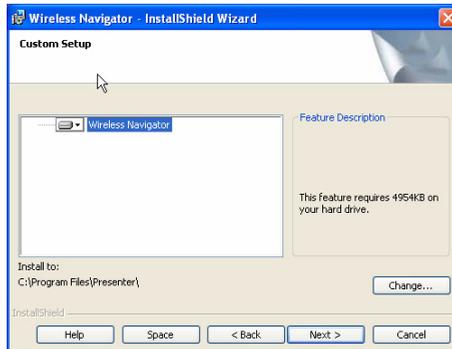
3. The InstallShield Wizard will guide you through the installation process.



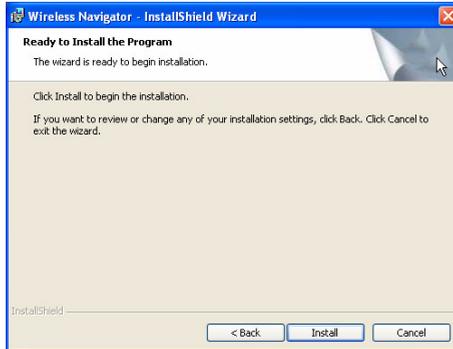
- Required information must be entered before the installation process can proceed.



- As shown above, you may choose from either a typical or custom installation. Custom lets you decide which features of the application are installed and in which location.
- Wireless Navigator will install into a default folder under Program Files. If you wish to install the software elsewhere, you may do so at this point in the installation process.



7. Review settings at this point before beginning installation



8. Installation of Wireless Navigator has completed. Click **Finish** to complete setup.



# 3 Making Presentations

## Overview

Notebook presentations are made from existing PowerPoint presentations or from other applications such as Adobe Acrobat, Microsoft Word, Microsoft Excel, and so forth - basically anything from the screen of your notebook.

The process takes two steps:

1. Wireless configuration of the notebook.
2. Using the Wireless Navigator application to connect to the projector and deliver presentations.

## Part One: Wireless Configuration

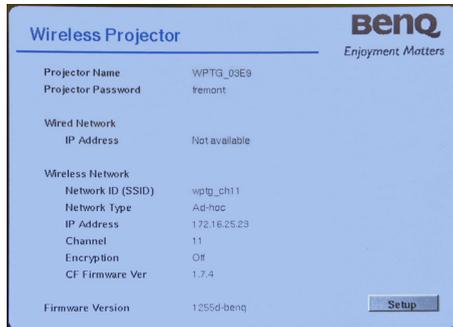
You can connect to the projector and send images wirelessly in two 802.11b modes: Ad Hoc or Infrastructure.

- **Ad Hoc** mode allows multiple wireless users to connect to a projector with 802.11b wireless-enabled PCs using a point-to-point connection.
- **Infrastructure** mode enables users to access a network projector. To use Infrastructure mode, you need a wireless 802.11b access point and one or more 802.11b wireless-enabled PCs.

### Configuring the Network Settings on Your Notebook or PC

#### Step 1 - Use Windows XP Zero Config

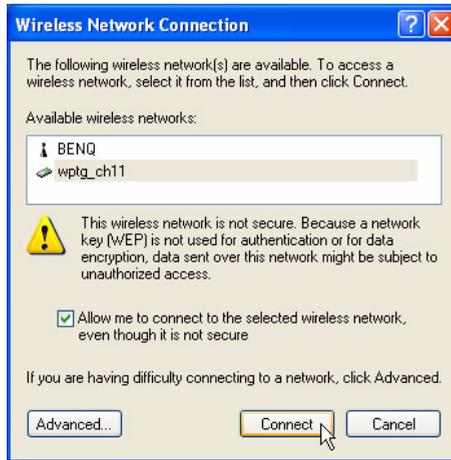
Ensure that you are at the Wireless Presenter screen on the Projector OSD.



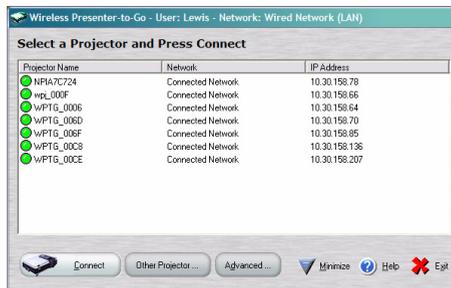
- Right-click on Wireless Connection icon in System Tray and click View Available Wireless Networks.



- Click on the SSID that matches the Wireless Projector's SSID and click Connect.



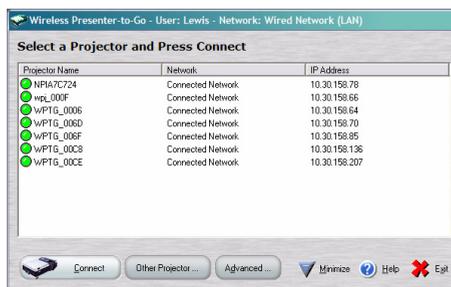
- Wait for Windows to configure the wireless network (~30s)
- Launch Wireless Navigator application.



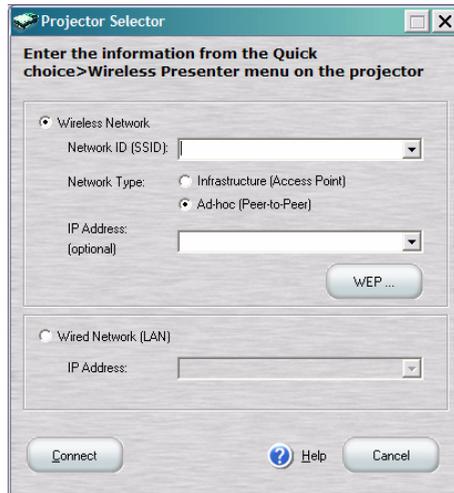
- Click on the desired projector, then click Connect (or simply double-click on the projector name) to start presenting.

## Step 2 – Use Wireless Navigator

- Ensure that you are at the Wireless Navigator screen on the Projector OSD.
- Launch Wireless Navigator application.



- If the desired projector is shown with a green or amber icon, click on the projector and then click Connect (or simply double-click on the projector name) to start presenting.
- Otherwise, click Other Projector and enter in projector information



- Click Connect. The wireless utility will take you a few minutes to configure your notebook, connect you to the projector and start presenting, when your notebook is configured for the first time.

## Configuring the Network Settings on Your Windows 2000 Notebook or PC

Before connecting to the projector, you need to make sure the network card settings for your notebook, PC, or handheld device network card match the settings you entered for the projector. The projector on boot-up displays the wireless settings it is currently configured with - infrastructure or ad hoc, with or without encryption.

1. From the **Start menu** click the **Control Panel** icon.
2. Click the **Network and Internet Connections**.

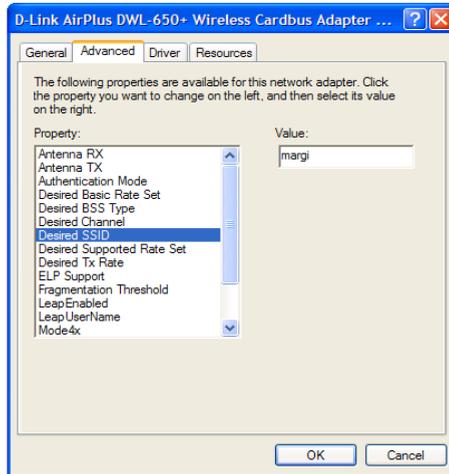
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On some Windows systems, you can right-click **My Network Places** or **Network Neighborhood** on the desktop and select **Properties**.

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3. Right-click the **Wireless Network Connection** icon and select **Properties**.
4. Click **Configure** under the name of the wireless card on the **General** tab.

5. Click the **Advanced** tab. You will see a screen similar to this:



6. Set the **SSID** to match the name as shown on the projector.
7. Set **Mode** to **Infrastructure/Ad Hoc** as shown on the projector boot screen. If Ad Hoc is selected, you will need to enter the **Channel** as shown on the projector.
8. Make sure **WEP Encryption** is enabled or disabled as shown on the projector. If encryption is enabled, you need to contact the system administrator to enter the WEP (Wireless Encryption Protocol) key.
9. Click **OK**.
10. Right-click the **Wireless Network Connection** icon and select **Properties**.
11. Double-click **TCP/IP**. If Infrastructure mode is selected, you may need to set the IP, Subnet Mask and Gateway addresses.

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Contact the system administrator to obtain the necessary settings.

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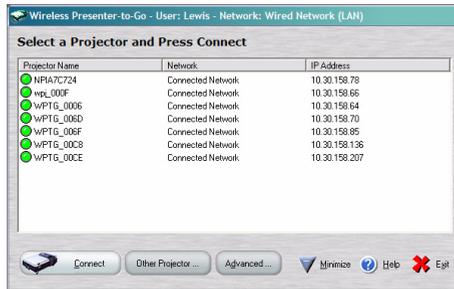
In Ad Hoc mode, ensure that “Obtain an IP address automatically” and “Obtain DNS server address automatically” are selected. Click the **Advanced** button and check that DHCP is enabled.

## Part Two: Using the Wireless Navigator Application

### Starting the Wireless Navigator Application

After you have configured your wireless network using the information from the earlier in this chapter, perform the following steps to configure your notebook presentation.

1. Double-click on the **Wireless Navigator Panel** icon on your desktop or from the Start button select **Programs > BenQ Wireless Navigator > BenQ Wireless Navigator**. The **Projector Selection** window opens.



Each projector has a colored button designating it as:

<b>Green</b>	Ready.
<b>Yellow</b>	Accessible but on another network. It can be used for a presentation but will need to be configured.
<b>Red</b>	Currently not accessible.

The list shows accessible projectors and all previously used projectors.

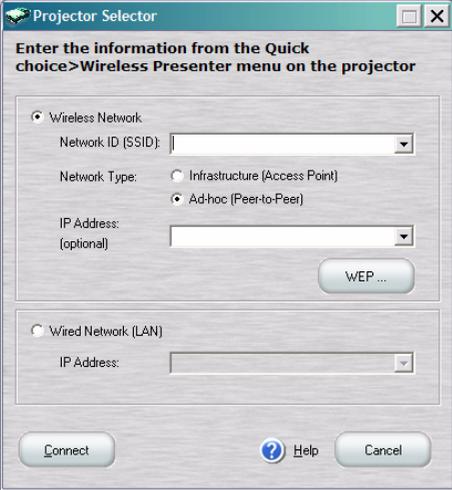
2. Select a projector from the list and click **Connect**.

## Options

The Projector Selection window has two options:

Option	Description
Other Projector	Lets you add a new projector to the list
Advanced	Lets you configure the projector.

When you click the **Other Projector** button, the following screen appears:



The **Projector Selector** dialog box is titled "Projector Selector" and contains the following elements:

- Header: "Enter the information from the Quick choice>Wireless Presenter menu on the projector"
- Section: **Wireless Network** (selected with a radio button)
  - Network ID (SSID): [Text field]
  - Network Type:  Infrastructure (Access Point)  Ad-hoc (Peer-to-Peer)
  - IP Address: (optional) [Text field]
  - WEP ... [Button]
- Section: **Wired Network (LAN)** (unselected with a radio button)
  - IP Address: [Text field]
- Buttons: **Connect**, **Help** (with a question mark icon), and **Cancel**.

This window lets you add a new projector to the list of projectors.

1. Select the wireless or wired projector location depending on how the new projector is connected.

When you boot up the new projector you may see default settings or none at all. Contact your systems administrator for network configurations.

2. Click **Connect** to connect to the new projector.

When you click the **Advanced** button on the **Projector Selection** window the following **Settings** window appears:



The **Advanced Options** dialog box is titled "Advanced Options" and contains the following elements:

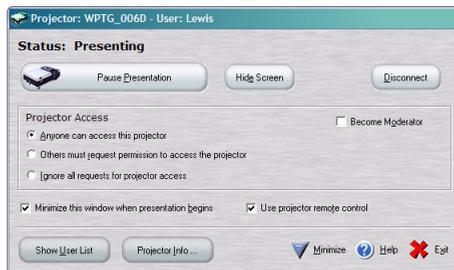
- User Name: [Text field] (value: Lewis)
- Projector Password: [Text field]
- Use Projector as Extended Desktop:
- Start presentation immediately on connecting:
- About ... [Button]
- Buttons: **OK**, **Help** (with a question mark icon), and **Cancel**.

Select one of the following options to configure the projector.

Option	Description
User name and Password	Enter or confirm logon information.
Use Projector as Extended Desktop	<p>Lets the user select a second screen for viewing from the projector while he or she can view other applications from the same PC privately on their desktop.</p> <p><b>By default, this feature remains as selected for the next use. You must re-enter the Advanced options and deselect this feature if you do not wish to use it in the future.</b></p>
Start Presentation immediately on connecting	Displays your notebook screen on the projector.

## Starting and Controlling the Presentation

Once the connection with a projector has been made, the **Projector Control** window opens.



The Projector Access button has three states:

Button Name	Description
Start Presentation	Appears if no other users are logged on to the projector. Click the button to display your notebook screen and begin your presentation.
Pause Presentation	Stops the screen you are displaying. After clicking it, the button says “Start Presentation.”
Request Projector Access	Appears when another user is logged on to the projector. Click the <b>Request Projector Access</b> button to request permission to display your screen. If the request is granted, this button changes to <b>Start Presentation</b> . Click <b>Start Presentation</b> to display your screen.

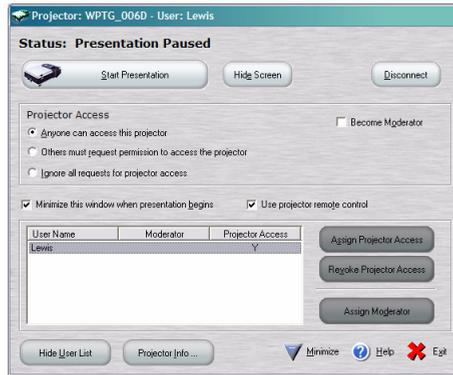
## Options

- Click the **Show User List button** to see a list of users connected to the projector.
- Click the **Hide Screen** button to blank the screen (there is no image on the projector).
- Use the **Hide this window when presentation begins** option if you want to hide this window.
- The **Projector Info** button shows information about the projector you are connected to like the following example:



# Controlling Projector Access

Select one of the following options to set projector access by other users. Wireless Navigator provides three different ways for groups to collaborate during a presentation and supports 802.11b enabled notebooks, tablets, and pocket PCs.



- 'Anyone can access this projector' allows for access to the projector by any user who clicks 'Start Presentation'. The new user then overrides the current user. Ideal for small, highly interactive department meetings.
- 'Others must request permission to access the projector' allows the current user to approve or deny requests for access. Ideal for more formal meetings.
- 'Become Moderator' and you may 'assign' or 'revoke' projector access by meeting participants. You may also assign the role of moderator to another user or 'Ignore all requests for projector access' so that you may give your presentation uninterrupted. Only when the user disconnects from the projector or selects from one of the two options above, can other users access the projector.

## Become a Moderator

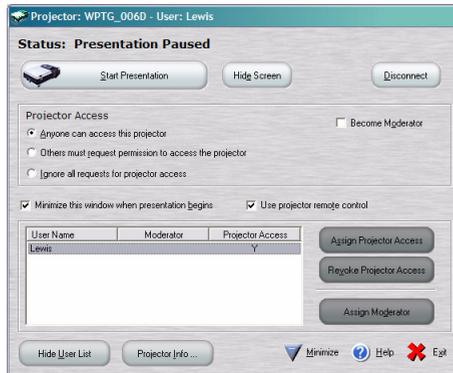
Become Moderator – This is the superuser mode. To become the Moderator, you must currently have projector access. As moderator, you can grant projector access to users, pass access to another user and revoke access from any user, without giving up control of the projector. They may also pass moderatorship to another user.

This option is available to you:

1. If you are the first person to access the projector. or
2. No one else is currently connected as moderator and you have presentation access.

## Controlling Users Connected to the Projector

1. Click the **Show User List** button if you want to view users who are connected to this projector. From this screen you can grant or revoke access if you are the moderator. The moderator role can also be assigned from this screen.



2. Click on any user name to assign or revoke access or assign a moderator.

## Disconnecting from the Projector

- Click the **Disconnect** button to disconnect from the current projector. This will return you to the projector list.
- 'Exit' closes the application.

# 4 Collaborative Presentations

## Collaborative Presentations

Wireless Software provides three different ways for groups to collaborate during a presentation and supports 802.11b enabled notebooks and tablet devices.

- 'Anyone can access this projector' allows for access to the projector by any user who clicks 'Start Presentation'. The new user then overrides the current user. Ideal for small, highly interactive department meetings.
- 'Others must request permission to access the projector' allows the current user to approve or deny requests for access. Ideal for more formal meetings.
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### Become a Moderator

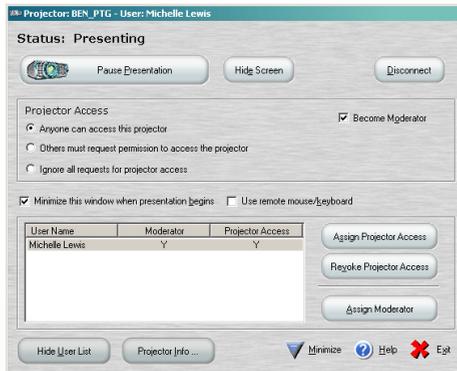
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### Controlling Users Connected to the Projector

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2. Click on any user name to assign or revoke access or assign a moderator.

## 5 Software Uninstallation

### Uninstalling the Wireless Navigator Software Driver

When updating PC software versions, it is recommended that you remove the old software drivers prior to installing the new version. Follow the procedure below to remove the software drivers.

1. Open **Add or Remove Programs** in Control Panel.
2. Click **Change or Remove Programs**, and then select Wireless Navigator to remove. Click the **Remove** button.
3. Click on the **Remove** button in the pop-up Wireless Navigator window to remove Wireless Presenter software.
4. Click **Change/Remove** or **Remove**.
5. Click on **Yes, I want to restart my computer.** Ensure all applications are closed.
6. Click **Finish**.

# 6 Troubleshooting

## General Q&A

### ? What do I need to make a wireless presentation?

You will need a BenQ Projector with the wireless option and a wireless enabled notebook, tablet PC or desk PC.

### ? What kinds of client devices are supported?

The following devices are supported

- Wireless (802.11b) enabled notebooks and tablet PCs running Windows 2000 or XP.

### ? What are the system requirements on the client-side?

- Notebooks and tablet PCs - Windows 2000 or XP with 802.11b (embedded or via wireless Lan card).

### ? Which wireless cards are supported?

Projector Side - Strongly suggest using BenQ CF card XI 835 - Wireless cards supporting 802.11b (with ad-hoc and infrastructure support). No guarantee for supporting all other brand CF cards.

PC Side-Strongly suggest using BenQ Joybook series -embedded wireless card supporting 802.11b (with ad-hoc and infrastructure support). No guarantee for supporting all other brand wireless cards.

### ? Is there a specific order in which I should turn on the devices?

It's probably best to turn the projector on first so that you can see the projector boot-up screen, which displays IP information. Then turn on and connect your client-side device to the projector's wireless network and launch the BenQ Wireless Navigator application.

### ? Are all applications supported?

-On notebooks and tablet PCs, Most of the applications are supported, including PowerPoint and its associated animations and transitions. But not comment to use MPEG and any other movie alike files in full screen.

### ? I cannot see the projector.

- Check that your client device and the projector are both connected to the wireless network.
- Ensure that the wireless card is inserted into the projector & displays a solid green light.
- Check if the projector is displaying IP information. If not, restart the projector.
- Check if the client device shows the wireless network seen on the projector screen as available. If not, make sure that the wireless card is inserted/turned on and displays a solid green light.

# Client Notebook and Tablet PCs

## ② What are the software components are installed on my notebook or tablet PC during installation of Wireless Navigator?

Presenter navigator - This application enables you to connect your wireless notebook or tablet PC to the projector.

## ② I see a blank/blue screen after connecting/clicking the "Start Presentation" button

This indicates that extended desktop is on, and your projector is behaving as a second monitor. You can drag and drop application windows to the projector screen. To turn this feature off, you must first disconnect from the projector, then click "Advanced" and uncheck the box that says "Use projector as extended desktop".

## ② What do the different color icons next to the projectors listed in the Presenter panel signify?

Your computer caches recently accessed projectors. Green indicates that the projector is on the same network as your client device and is available for selection. Amber indicates that this projector is on an alternate network, which is also available. Red indicates that this projector is on a network that is not currently accessible.

## ② The projector I want to use is not in the list in the Presenter panel, can I add it by manually?

Yes, just click the button that says "Other Projector" and Enter in the projector information you see on the boot-up screen, and click OK to connect to the projector.

## ② How do I change username and password based on the projector information?

In the Presenter panel, click the button that says "Advanced Options" and enter in the new username and password.

## ② What is Extended Desktop mode?

In Extended Desktop mode, the projector behaves as a second monitor. You can drag and drop new application windows from your primary display to the projector. You can make the projector your primary display as well. Additionally, you can use the multiple monitor support built into PowerPoint to send the slideshow to the projector, while having other application windows displayed on the primary display.

## ② Does Wireless Navigator support animations & transitions in PowerPoint?

Yes, there is full support for PowerPoint animations and transitions.

## ② Is audio from the projector supported?

Currently there is no support for audio from the projector wirelessly.

## ② Why is there no image on the projector screen or the colors are distorted?

Please ensure that the resolution is set to 1024 x 768 and color depth to 24 or 32-bit

⑦ **Can multiple notebooks and tablet PCs access the projector? How does collaboration work?**

Yes, multiple notebooks, tablet PCs and desk PCs can access the projector simultaneously. However, only one video signal can be sent to the projector at a time. Collaboration works through the client software and lets users access the projector seamlessly. For more information, refer to the Collaboration section in your user manual.