

1 Introduction

This manual is intended for users of the 'TRUST SURVEILLANCE INTERFACE 801 USB'. This USB-interface can be used to hook up a video camera with sound and get a fully programmable recording of your video surveillance.

The Trust Surveillance Software allows for 24/7 surveillance of the observed area from a remote location, via the Internet or a network link. The observed area and the audio/video sensitivity can be set for an accurate detection level.

Video or audio detection can be automatically provided with an exact date and time rendering. Also, previously programmed noise signals can be played whenever some motion is detected.

Make a complete (cordless) surveillance system with a surveillance camera from the Trust product range. Ideal for all forms of surveillance and observance, for instance for protection against burglary, supervision over children, at store entrances, at checkouts, in warehouses, parking lots and so on.

UK

2 Safety

Before use, carefully read the following instructions:

1. Do not use the device in damp environments, such as bathrooms, damp basements, swimming pools, etc.
2. Do not attempt to repair the device yourself. Maintenance should only be done by qualified repair people.
3. Position the device in such a way that the cables cannot be damaged.

3 Installation

3.1 Hardware Installation

For the installation of the Trust Surveillance Interface 801 USB follow the steps below:

1. Start up your computer.
2. Put the USB plug of the Surveillance Interface 801 USB into a free USB port of your computer.
3. Windows will detect the new hardware and ask for the location of the driver.
4. Place the CD-ROM with the driver and applications into your CD-ROM drive.
5. Select the option where Windows will look for the most suitable driver.
6. Select the option where Windows searches in a specific location. For a path, enter: [D:\Driver].

Note: *The above letter 'D' serves as an example of your CD-ROM drive. Check which actual letter is used by your computer to denote your CD-ROM drive.*

7. The driver is located. Follow further instructions for the installation. The driver consists of the following 3 elements:
 - a) USB Composite Device
 - b) Trust USB A/V Audio
 - c) Trust Surveillance Interface 801
8. After the installation of the driver, restart your system.

TRUST SURVEILLANCE INTERFACE 801 USB

9. Connect the video cable of your camera to the video connection of the Surveillance Interface 801 USB. You have 2 options:
 - a) S-VHS connection (4pins mini DIN plug)
 - b) Composite connection (single cinch plug)
10. Connect the sound cable of your camera to the sound connection of the Surveillance Interface 801 USB (double cinch plug L/R)

Note: *In order for the sound function of your Surveillance Interface 801 USB to be fully operational, you must have a sound card installed on your computer.*

3.2 Software Installation

3.2.1 Trust Surveillance Software

The Trust Surveillance Software must be installed on the local computer to which your camera is connected. For installation, follow the steps below:

1. Start up Windows.
2. Place the CD-ROM with the driver and applications into your CD-ROM drive.
3. The Trust Software Installer will start up automatically. If it doesn't, go to 'Start - Execute' and type [D:\Setup.exe] in the entry field. Then click 'OK'. See Figure 1.

Note: *The language selection menu in the left box concerns the rendering of the installer in various languages. The application and comprehensive user manual only come in English.*

4. Click the button 'SURVEILLANCE SOFTWARE' in order to start up the installation of this application.
5. Next, fill out your particulars in the field that will appear. The required serial number can be found on the sleeve of your CD-ROM.
6. Follow the instructions to continue installation.

3.2.2 Trust Remote View Software

The Trust Remote View Software is to be installed on an external computer. Follow the instructions below for further installation:

Note: *Both the local computer with the camera connected to it and the external computer must have a modem or a network link.*

1. Start up Windows.
2. Place the CD-ROM with the driver and applications into your CD-ROM drive and start up the Trust Software Installer. See Figure 1.
3. Click the 'REMOTE VIEW SOFTWARE' button to start up the installation of this application.
4. Follow the instructions onscreen.

3.2.3 Trust IP MultiCast Software

The Trust IP MultiCast Software must be installed on an external computer. For installation, follow the instructions below:

Note: *The IP MultiCast Software will only function in an Intranet/LAN network. It will not work via WAN/Internet. The local and external computer must be linked to the same network.*

1. Start up Windows.

2. Place the CD-ROM with the driver and applications into your CD-ROM drive and start up the Trust Software Installer. See Figure 1.
3. Click the 'IP MULTICAST SOFTWARE' button to start up the installation of this application.
4. Follow the directions onscreen.

UK

4 Usage

Below, an outline will be given of how to use the applications. Consult the comprehensive user manual on the CD-ROM for a detailed description of the different functions. Also consult the detailed help functions of the applications. You will find these in 'Start – Programs – Trust – Surveillance Interface 801'.

Place the CD-ROM in your CD-ROM drive and start up the Trust Software Installer. Click the 'READ MANUAL' button to read the user manual from the CD-ROM. See Figure 1.

4.1 Trust Surveillance Software

Go to 'Start – Programs – Trust – Surveillance Interface 801' and select the option 'Trust Surveillance Software' in order to start up this application on your local system. The main screen will appear, with the video picture from your camera in the centre. In the bottom right of the main screen you will see your available hard disk space and the time available for video-recording.

Note: *If the hard disk space is 150MB is, the recording will stop or your old log files will be overwritten.*

For a description of the main buttons in the tool bar see the table below:

Button	Function	Description
	Start Monitor	Start the audio/video surveillance and recording. If you click this button, a submenu will pop up with the following options: <ul style="list-style-type: none"> * Start Monitor All: start both audio and video surveillance/recording. * Camera name: only starts video surveillance/recording. * Audio Sensor: only starts audio surveillance/recording. * Start schedule monitor: starts the surveillance/recording in accordance with a pre-set surveillance schedule.
	Stop Monitor	Stops the audio/video surveillance/recording. If you click this button, a submenu will pop up with the same options as in 'Start Monitor'. Select the desired option for stopping the surveillance/recording.
	Sensitivity	Set the sensitivity of the audio/video recording. If you click this button, a submenu will pop up with the following options: <ul style="list-style-type: none"> * Video Motion: to set the sensitivity of the motion

TRUST SURVEILLANCE INTERFACE 801 USB

Button	Function	Description
		<p>detection. Select a setting between 1 and 99. See Figure 2. The higher the setting, the more sensitive the motion detection. As soon as some motion is detected, the video-recording will start.</p> <p>* Audio Noise: to set the audio detection. The audio-recording will start automatically, if the setting in 'Environment' exceeds the setting 'Set Audio Sensitivity'. See Figure 3.</p> <p>Note: The setting in 'Environment' is determined by the sound recording settings of your computer. This can be used as a reference for the sensitivity setting. See section 4.1.1 for further details.</p>
	Record Setting	<p>Set the picture quality of the video recording. Select a setting between 1 and 5. The higher the setting, the better the picture quality of the video-recording.</p> <p>Note: Better picture quality will take up more memory space.</p>
	Preference	<p>Click this button to alter the general settings and video settings. See Figure 4. These are the settings you can alter:</p> <p>* Capture Driver: Select your video capture device here (Trust Surveillance Interface 801 USB).</p> <p>* Video Format: Set the video picture format of your camera (RGB15, RGB24, YUV9, etc.)</p> <p>* Video Source: Set the video standard (PAL, NTSC, SECAM) of your camera, as well as picture settings (clarity contrast, etc.)</p> <p>* Mask Visible: enable or disable the 'Mask' function in the video picture during the video surveillance/recording.</p> <p>* Start Monitor After: the surveillance/recording will start after the time you set here.</p> <p>* Password: set a password to protect the settings and for login via RemoteView and IP Multicast.</p> <p>* Pager/Tel Hot Line Setting: click the 'Set Pager...' button to alter the settings of the automatic pager function. See Figure 5.</p> <p>You can enter 6 different telephone/pager numbers and also attribute these to the function keys F7 to F12.</p> <p>The number can be dialled automatically, or by pressing the function keys. Alternatively, a text message can be sent along to a pager.</p> <p>You can then log in directly by means of the RemoteView or IP Multicast software in order to</p>

TRUST SURVEILLANCE INTERFACE 801 USB



Button	Function	Description
		view and, if so desired, record the situation. Note: <i>If your phone supports number display, you can enable this so that you will see immediately that the system is calling you.</i> * Default Alarm: you can have the local computer play a sound file when motion has been detected. Select one of the files from the list, or choose 'User Define' for selecting your own '.WAV' file. * Log File Location: enter the location that the log file is to be saved to. * Recycle: tick this option if you want to overwrite old log files in case of low hard disk capacity. * Schedule: click this button to set schedules for starting audio/video recordings at set times.
	View Log	Click this button and then select your camera in the sub-menu to view all audio/video takes that were made. You can also upgrade the quality of the recordings and print selected video stills.
	Network Login	Click this button and then, in the sub-menu, select the Internet/intranet link that the Surveillance Software has to check on the logins of the RemoteView or IP Multicast software. You have the following options: * Intranet Listen on IPX * Internet/Intranet on TCP/IP * Webcam Server * Multicast Server You can tick more than one option at the same time.
	Modem Login	Check the modem for logins of the RemoteView software via the direct dial-in connection to the local computer.

Apart from the above main buttons, the Surveillance Software also has a 'Mask' function, which allows you to select specific parts of the video picture which you don't want to be checked for motion. For possible function buttons, see the table below:

Button	Function	Description
	Add Mask	Add a 'Mask' to a video picture. With the left mouse button pressed, drag the mouse over the relevant field in the picture. A grid will appear on top of the picture. This grid area will not be checked for motion during the surveillance. This option allows you to just monitor a hallway or a window for motion. See Figure 6.
	Cut Mask	Cut a section from the added 'mask' field. This cut is now available for video surveillance.

TRUST SURVEILLANCE INTERFACE 801 USB

Button	Function	Description
	Clear Mask	Remove all 'Mask' fields from the picture. The complete video picture is now available for video surveillance again.

Furthermore, the Surveillance software carries the following functions:

- **Full Screen Mode;** view the screen at full screen size.
- **Trust Backup Software;** make a backup of your log files on your hard disk, CD-R or ZIP media.
- **Trust Repair Data Base Utility;** repair damaged files.

Consult the manual on the CD-ROM and the comprehensive manual for the Surveillance Software for further information about the above functions.

4.1.1 Audio recording

In order to record sound by means of the audio connection of the Surveillance Interface 801 USB, you first need to select the audio connection as a standard device for audio recording in Windows, as follows:

1. Go to 'Start – Settings – Configuration screen'.
2. Double-click the 'Multimedia' icon.
3. Go to the 'Audio' tab sheet and select the audio part of the Surveillance Interface 801 USB as the preferred device for audio recording.
4. Click 'Apply' to apply the alterations.

4.2 Trust Remote View Software

Start up the external computer that the Trust Remote View Software has been installed on. Go to 'Start – Programs – Trust – Surveillance Interface 801' and select the option 'Trust Remote View Software' to start up this program on your external system.

Note: *The Surveillance software has to be activated and both the local and the external computer must have an active Internet or network connection.*

The main screen of Remote View will appear. You can now make the connection to the Surveillance Software. There are 3 options for making the connection:

4.2.1 Dial modem

Direct dial-in to the local computer with the Surveillance software. Make sure that the Surveillance software checks the modem login.

1. In the Surveillance software go to 'Remote – Login Setting' and tick the option 'Listen on Modem login'. See Figure 7.
2. Then, in the main screen, click the 'Modem Login' button.
3. In the Remote View software click the button 'Connect' and select 'Dial Modem'.

Note: *The 'Dial Modem' function will only work with analogous modems. In addition, the local modem must support the 'Modem Login' function.*

4. Enter the phone number with 'Phone Dial'.
5. If necessary enter 'Login Password' and click 'Make Call'.

6. If the connection was made correctly, the camera picture will become visible in the main screen of the Remote View Software. See Figure 9.

4.2.2 Intranet IPX

Establish a connection with the local computer via IPX intranet network. Make sure that the Surveillance software checks the IPX intranet login.

1. In the Surveillance software go to 'Remote – Login Setting' and tick the option 'Listen on Intranet login on IPX Protocol'. See Figure 7.
2. Then, in the main screen, click the 'Network Login' button and tick the option 'Intranet Listen on IPX'.
3. In the Remote View software, click the 'Connect' button and select 'Intranet IPX'.
4. Click the 'Locate Server' button. The local computer is located in the network. Click 'OK'.
5. If necessary, enter 'Login Password' and click the 'Login' button.
6. If the connection was made correctly, the camera picture will become visible in the main screen of the Remote View Software. See Figure 9.



4.2.3 Internet/Intranet TCP/IP

Establish a connection with the local computer via Internet or intranet TCP/IP. Make sure that the Surveillance software checks the TCP/IP Internet/intranet login.

1. In the Surveillance go to 'Remote – Login Setting' and tick the option 'Listen on Intranet/Internet Login on TCP/IP Protocol'. See Figure 7.
 2. Also tick the option 'Assign IP Address' and fill in your IP number.
- Note:** *If your Internet connection goes via an ISP and you got an IP address automatically, this will be easy to locate via 'Start – Run' after which you type 'winipcfg' and click 'OK'. See Figure 8. Then select 'PPP Adapter'; the IP number will now be visible. Each time you dial in this number will be different.*
3. Now, in the main screen, click the 'Network Login' button and tick the option 'Internet/Intranet Listen in on TCP/IP'.
 4. In Remote View software click the 'Connect' button and select 'Internet/Intranet TCP/IP'.
 5. Click 'Locate Server'. The local computer will be located in the network. Click 'OK'.
 6. If necessary, enter the 'Login Password' and click 'Login'. In case of a login via the Internet, the dial-in screen of your modem will appear.
 7. If the connection was made correctly, the camera picture will become visible in the main screen of the Remote View Software. See Figure 9.

Consult the manual on the CD-ROM and the detailed help function of the Remote View Software for further information about the above functions.

4.3 Trust IP Multicast Software

The Trust IP Multicast Software can only be used in an Intranet/LAN environment; it won't work via WAN/Internet.

If your network includes various computers that have the Trust Surveillance Software with a camera installed, you can use the IP Multicast Software on an external computer to log in on the same network, on a maximum of 10 computers simultaneously. This allows you to switch between 10 different camera pictures.

TRUST SURVEILLANCE INTERFACE 801 USB

Make sure that the Surveillance software on all the relevant computers checks the IP Multicast login.

1. In the Surveillance software, go to 'Remote – Login Setting' and tick the option 'Multicast Server'. See Figure 7.
2. Then, in the main screen, click the 'Network Login' button and tick the option 'Multicast Server'.
3. Start up the IP Multicast Software and the external computer. Go to 'Start – Programs – Trust – Surveillance Interface 801' and select the option 'Trust IP MultiCast Software'. The main screen will appear. See Figure 10.
4. Now click the 'Search' button. The IP Multicast software will search all available Surveillance computers in the network and place them in the 'Live' menu.
5. In the 'Live' menu select the Surveillance computer you want to log into and click the camera icon below the 'Live' button. If necessary, enter your Password.
6. The camera picture of the selected Surveillance computer will appear in the main screen.

Consult the manual on the CD-ROM and the detailed help function of the IP Multicast Software for further information about the above functions.

5 Troubleshooting


 UK

Problem	Cause	Possible solution
USB-interface is not installed.	Driver could not be located.	Place the CD-ROM in your CD-ROM drive and enter 'Driver' for a location. See section 3.1.
	USB plug not connected properly.	Connect the USB plug properly.
	There is an IRQ address conflict with another USB device.	Solve this problem via 'device management' in Windows.
The Surveillance software only renders a black picture.	The camera has not been connected.	Connect the camera.
	Not power supply to the camera.	Connect the camera to a power outlet or switch it on.
	Incorrect video standard.	Check the video standard of the camera and set it in the Surveillance software. See section 4.1.
Picture of the connected camera not found in the Surveillance software.	The camera in question was not selected in the software.	Select the camera. See section 4.1.
Unable to log in with RemoteView software on local computer.	IP address that was filled in doesn't match the IP address of the local computer.	Check the IP address with your provider or run the program 'winipcfg'. See section 4.2.3.
Error message 'Login incorrect' appears in the RemoteView software or IP Multicast software.	The password that was filled in doesn't match the password of the local computer.	Fill in the correct password in the RemoteView and IP Multicast software.
	IP numbers do not correspond.	Fill in the exact same IP number in Surveillance and RemoteView software.
Picture are projected in slow motion on the external computer.	Internet connection is slow.	Try again at a later time.
Harddisk is full.	The video recordings take up too much space.	Regularly remove old recordings by selecting the 'Recycle' option in the 'Preference' screen of the Surveillance software.
After setting the sensitivity, the system records	Settings too sensitive.	Use a less sensitive setting. See section 4.1.

TRUST SURVEILLANCE INTERFACE 801 USB

Problem	Cause	Possible solution
When using the Trust 100 series cordless system, the alarm goes off continuously.	Interference in picture because of RF connection.	<p>Make sure the sensitivity of the Surveillance software has a lower setting when using cordless systems.</p> <p>Reposition the cordless cameras or select a different channel.</p> <p>See troubleshooter for the Trust 100 series cordless devices.</p>
Problem not listed here.	FAQ update available online.	Go to www.trust.com/12544 for FAQ.

Register your product via www.trust.com so that you are able to receive optimal guarantee and service support such as up-to-date FAQ and the latest drivers. You will also be automatically informed of developments to your product and of other Trust products. And use the opportunity to win some spectacular prizes.

If you still have any problems after trying these solutions, please contact one of the Trust Customer Care Centres. You can find more information on the last page of this manual. Please have the following information available: the article number (12544) and a good description of what exactly fails to work, and when the problem occurs.