



# TOSHIBA

Toshiba TDP-TW420U Owner's Manual

Tdp-tw420u user's guide



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# TDP-TW420

## DATA PROJECTOR

### **TOSHIBA**

Leading Innovation >>>

## OWNER'S MANUAL

In the spaces provided below, record the Model and Serial No. located at the bottom of your projector.

Model No.

Retain this information for future reference.

Serial No.

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Toshiba projector specifications sheet (1 page)

### [Projector Toshiba TDP-TW420 Owner's Manual](#)

Toshiba data projector user manual (51 pages)

### [Projector Toshiba TDP-TW420 Specification Sheet](#)

Brochure (2 pages)

### [Projector Toshiba TDP TDP-TW95 Owner's Manual](#)

Toshiba data projector owner's manual (46 pages)

### [Projector Toshiba TDP-TW300 Owner's Manual](#)

Toshiba data projector owner's manual (47 pages)

### [Projector Toshiba TDP-TW300U Service Manual](#)

(98 pages)

### [Projector Toshiba TDP-TW355 Owner's Manual](#)

Data projector (47 pages)

### [Projector Toshiba TDP-TW355J Owner's Manual](#)

Data projector (48 pages)

### [Projector Toshiba TDP-TW90 Owner's Manual](#)

Data projector (xga / with pc card slot) (37 pages)

### [Projector Toshiba TDP- T80 Service Manual](#)

(93 pages)

### [Projector Toshiba TDP-TW90AU Owner's Manual](#)

Xga / with pc card slot (37 pages)

### [Projector Toshiba TDP-TW95E Service Manual](#)

Dlp data projector (90 pages)

### [Projector Toshiba TDP-TW350 Owner's Manual](#)

(47 pages)

### [Projector Toshiba TDP TDP-MT700 Owner's Manual](#)

Toshiba owner's manual video projector tdp-mt700 (34 pages)

### [Projector Toshiba TDP-XP1U Owner's Manual](#)

Tdp-xp1u user's guide (48 pages)

### [Projector Toshiba TDP-T30 Owner's Manual](#)

Data projector (xga) (23 pages)

## Summary of Contents for Toshiba TDP-TW420U

**Page 1** TDP-TW420 DATA PROJECTOR OWNER'S MANUAL In the spaces provided below, record the Model and Serial No. located at the bottom of your projector. Model No. Retain this information for future reference. Serial No.

### **Page 2: Before Using**

Phone: (949) 580-0000 Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user's authority to operate the equipment. This Class B digital apparatus complies with Canadian ICES-003. Cet appareil...

### [Page 3: Important Safety Instructions](#)

IMPORTANT SAFETY INSTRUCTIONS CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

[Page 4](#) IMPORTANT SAFETY INSTRUCTIONS (Continued) 11. Lightning storms 14. Do not place the product vertically For added protection for this product during a storm, or when it Do not use the product in the is left unattended and unused for upright position or any other long periods of time, unplug it from vertical positions to project the the wall outlet.

### [Page 5: Power Supply Information](#)

IMPORTANT SAFETY INSTRUCTIONS (Continued) 22. Replacement Parts 25. Do not use the product in a closed installation When replacement parts are location. required, be sure the service technician has used replacement Do not place the product in a box parts specified by the manufacturer or in any other closed installation or have the same characteristics location.

### [Page 6: Exemption Clauses](#)

Toshiba Corporation. • Toshiba bears no responsibility for information being intercepted or leaked due to the use of a wireless LAN, or any damages therefore. OTHER INFORMATION...

### [Page 7: Table Of Contents](#)

CONTENTS Before Using SAFETY PRECAUTIONS ... IMPORTANT SAFETY INSTRUCTIONS ... POWER SUPPLY INFORMATION ... IMPORTANT PRECAUTIONS ... EXEMPTION CLAUSES ... OTHER INFORMATION ... REMOTE CONTROL BATTERIES ... CONTENTS ... Preparations Checking the package contents ... Names of each part on the main unit ... Names of each part on the control panel and remote control ...

### [Page 8: Preparations](#)

Preparations Checking the package contents Please make sure that the following items are included in the box, along with the main unit. If any item is missing, immediately contact the store where you purchased the product. ■ ■ ■ ■ (1) Remote control ■...

### [Page 9: Names Of Each Part On The Control Panel And Remote Control](#)

Names of each part on the control panel and remote control Control panel Remote Control (11) (12) (13) (14) (10) (16) (15) (23) (10) CAUTION • Do not look into the laser light (19) (20) source of the remote control or direct the laser pointer toward a person or a mirror.

### [Page 10: Names Of The Terminals On The Rear Panel](#)

Names of the terminals on the rear panel (1) (2) (9) (10) (11) (12) Name : Main Function (1) LAN terminal : Connects a network cable. (2) USB terminal : Connects a commercial USB memory. (3) COMPUTER (Y/P) 2 IN terminal : Input analog RGB signal from a computer or other source, or a component video signal (Y/P equipment).

### [Page 11: Operating A Computer Using The Remote Control](#)

OS, that is equipped with a USB port which can support USB1.1 (The mouse remote control receiver is also supported on OS 9 or OS X for the Macintosh). However, please note that Toshiba does not guarantee the operation of all computers. Connecting a computer Connect the mouse remote control receiver (supplied) to a computer.

### [Page 12: Connection](#)

Connection Before connection • Read the owner's manual of the device you are connecting to the projector. • Some computers cannot be used with or connected to this projector. Check for an RGB output terminal, supported signal • Turn off the power of both devices before connecting. •...

### [Page 13: Operations](#)

Turning the power on and off Connecting the power cord ≡ Insert the power cord connector into the AC IN socket of the projector. Insert the power cord plug into a wall or other power outlet.

Removing the lens cap ☸...

## [Page 14: Basic Operations](#)

Basic operations Turn on the power. Turn on the power by following the instructions in “Turning the power on” Select the language and the lamp power (When using the first time). When the projector is used for the first time after purchase, the start menu for language (to display the menus and messages on the screen) and lamp power selection and confi...

## [Page 15: Using Handy Features](#)

Basic operations (Continued) Precautions • Lamp characteristics may rarely cause the brightness to fluctuate slightly. ® • The DLP chip is made using extremely advanced technology. There may be black spots (pixels that do not light) or bright spots (pixels that are constantly lit) on the panel. These are intrinsic characteristics of the technology and are not malfunctions.

## [Page 16: Zooming Out The Images](#)

Using handy features (Continued) Zooming out the images ☸ This projector is provided with the digital zoom (electric zoom: 100 - 60%) in addition to the optical zoom (manual adjustment with zooming ring). (Note that the display, if digitally zoomed out, may suffer from some degradation.) Press the ZOOM -...

## [Page 17: Cutting Off The Picture And Sound Temporarily \(Mute\)](#)

Using handy features (Continued) Cutting off the picture and sound temporarily (Mute) ☸ When you want to project the images of another projector, overhead projector, etc. temporarily, this projector's images and sound can be turned off. Press the remote control's MUTE button. The picture and sound are cut off.

[Page 18](#) Using handy features (Continued) How to set password (from [Off] to [On]) Select [Password] in the Default setting 2 menu and press the button. Select [Password setting] next, and press the Select [On]. Select [OK] and press the button. The password entry screen is displayed. Enter the password using numeric keys of the remote control.

## [Page 19: Using The Menus 1](#)

Using the menus 1 (Continued) ■ The image adjustment menu Use this menu to set or adjust image-related items. Items that can be set or adjusted are marked “Yes”, and those that cannot are marked “No”. (When an item is masked, it indicates that you cannot select for the current input.) Digital Item...

## [Page 20: The Display Setting Menu](#)

TOSHIBA is set for [Logo] by factory setting. If user's logo has been registered, it is displayed when [Logo] is set for...

## [Page 21: The Default Setting Menu](#)

Using the menus 1 (Continued) <Logo registration> How to register user logo Project a picture to register. Select [User logo] in the Display setting menu, and press the button. Select <Logo registration> from the displayed menu list and press button. The registration area is displayed for confirmation.

## [Page 22: Displaying Information \(Status Display\)](#)

Using the menus 1 (Continued) Default setting 2 menu Item Description Projection Sets projection mode in accordance with Placement Style. mode (Standard) (Rear) Fan mode Sets the cooling fan speed. Remote control When 2 projectors are used and controlled by the remote control respectively, this menu sets the code for the projector and the remote control.

## [Page 23: Network And Usb Memory](#)

☸ Ad hoc communication mode the projector is in range of the computer's wireless signals. Toshiba does not guarantee the coverage of the radio wave in the form of figures. The coverage varies depending on the performance of each wireless LAN equipment, existence of obstacles or other wireless LAN equipment used by nearby working groups, etc.



## [Page 24: How To Use The Usb Terminal](#)

Backing up data ■ Toshiba recommends that you back up the data saved in the USB memory onto your computer and the like before use. Toshiba assumes no liability for losses incurred by data lost through the use of this projector.

## [Page 25: Using The Menus 2](#)

Using the menus 2 Setup using the Setting display (2) ■ ■ Projector settings (Be sure to read this subsection.) Using the factory settings as-is may suffer security damage, so be sure to change the projector settings. 1. Press the NETWORK button and press the MENU button twice The Setting display (2) is displayed.

[Page 26](#) Using the menus 2 (Continued) Category Description Item Remote Specify whether to allow the remote control of the projector from a computer. Appli- cation control Allowed Presentation Allowed: The projector always accepts remote commands from a computer. Presentation: Accepts only the remote commands from the computer by which an image is projected on the projector (Update automatically) using Network Utility.

[Page 27](#) Using the menus 2 (Continued) • [Security for wireless LAN settings] <Network authentication> Set the authentication to enhance network security. Select a method identical to that of wireless LAN terminal to be connected with. <Encryption> Set Encryption according to the setting you made for Network authentication, as follows.

## [Page 28: Computer Settings](#)

Using the menus 2 (Continued) Note If you select [Network Projector] in the Setting display (2) menu, the same items • in [Network Utility] will be displayed except for the following □ items. [Easy Connect (USB memory)] feature is not available. In the item [Application], [Password] and [Disconnect] are available as follows.

## [Page 29: Setting Slideshow Options](#)

Using the menus 2 (Continued) Precautions When purchased, <PJLink authentication> is set to [Off] and <Password> is not set • by factory setting. You are recommended to make authentication setting as soon as possible. • If you forget a password, set it again. • ...

## [Page 30: Checking The Projector Status](#)

Using the menus 2 (Continued) Common • [Play icon] The slideshow icon can be displayed. Standard • The projector handles the slideshow icon as follows depending on the “On/Off” setting of Icon on the projector’s menu. Icon On: The projector displays the icon upon the start of playing a slide show and turns it off after a few seconds.

## [Page 31: Installing The Applications](#)

Operations p.62 JPEG Conversion Tool → Operations p.81 ■ How to uninstall Uninstall [Toshiba Data Projector] and [Jpeg Conversion Tool] programs by using a program removal utility in the [Control Panel]. Notes © XP and Windows Vista (Ultimate), • Your computer screen may temporarily go out during installation, but it is not an error.

## [Page 32: Using The Network Utility](#)

Using the Network Utility ■ Displaying a computer’s screen via the projector Launch the Network Utility software application. When the Network Utility launches, the Screen Image transmission mode window appears on the computer screen. To switch to the Screen Image transmission mode window from another mode, click on the Screen Image icon Select Transmission mode.

## [Page 33: Displaying A Jpeg Image Saved On A Computer Via The Projector](#)

Using the Network Utility (Continued) Notes • It may not be possible to transmit the images from movie player or other video applications. • When using “Update automatically”, the transmitted image refresh rate depends on the performance of the computer you are using and the surrounding radio wave environment. • ...

[Page 34](#) Using the Network Utility (Continued) Click on the Advanced button. The Movie fi le: Advanced Settings dialog appears. Set the dialog as shown below, as necessary. • Interruption

Check the No Interruptions checkbox to prevent other computers from interrupting the projector, for example, during presentation.

### [Page 35: Displaying Computer's Screens Via Projectors Using Multiscreen Function](#)

Control window displays the window for screen display settings. 2 Right click on the desired virtual display (Toshiba DPJ Secondary Display Driver) and select Attached from the popup menu. 3 Allocate screen displays by drag and drop monitor icons.

[Page 36](#) Using the Network Utility (Continued) Select the projector to be transmitted. The IDs of projectors accessible for transmission will be listed. (When a projector name is set, that name appears instead of MAC address. ) Check the checkbox of the projector you wish to transmit to from this list.

### [Page 37: Easy Connect Utility](#)

Using the Network Utility (Continued) Notes • It may not be possible to transmit the images from movie player or other video applications. • When using "Update automatically", the transmitted image refresh rate depends on the performance of the computer you are using and the surrounding radio wave environment. •...

[Page 38](#) Using the Network Utility (Continued) ● How to set up with [USB memory connection] Set up wireless LAN using a commercial USB memory. See memories. 1) Copying the computer settings to the projector • Setting on the computer Insert the USB memory into the USB terminal slot on the computer.

### [Page 39: Operating The Projector](#)

Using the Network Utility (Continued) ● How to use [Profile settings] This feature allows the user to save the computer's wireless LAN settings. This feature is useful when you need to change wireless LAN settings according to where you use. •...

### [Page 40: Projecting Images Stored In A Usb Memory](#)

Projecting images stored in a USB memory ■ Playing a slide show from a thumbnail list With Auto. demo set to Off in "Setting slideshow options", data readout begins when a USB memory is inserted and the input switches to USB memory. A list of thumbnails will then appear on the screen.

### [Page 41: How To Use The Jpeg Conversion Tool](#)

Projecting images stored in a USB memory (Continued) For MPEG files Displaying video • Pressing the button while a file is selected plays only the video image in full- screen view. Pressing the button again pauses the video image. •...

### [Page 42: Converting Files Created With Microsoft](#)

How to use the JPEG Conversion Tool (Continued) Converting files created with Microsoft ☰ This process provides presentations without using a computer by converting ® presentation files created with Microsoft PowerPoint USB memory, and displaying them in a slide show. ®...

### [Page 43: Creating A Screen Capture And Converting It Into A Jpeg File](#)

IP address. Invoke Internet Explorer. Internet Explorer Ver. 6.0 or Ver. 7.0\* is recommended. Enable the Javascript functions. \* Toshiba does not guarantee the operation for later versions. (4)-(a) (4)-(a) In the address bar, enter the IP address "http://xxx.xxx.xxx.

[Page 44](#) Shows the functions available with the Network or USB memory. Top: Returns you to the top page. TOSHIBA Projector Site: The browser will display the home page at http://multimedia.projector-toshiba.com/map.html, providing projector information. The home page address is subject to change without notice.

### [Page 45: Maintenance](#)

• If the projector is mounted on the ceiling, it is recommended to use your Toshiba dealership when the lamp has to be exchanged. Uncovering the lamp while the projector is mounted on a ceiling may lead to a danger of damage from falling pieces of glass if the lamp is broken.

[Page 46](#) Lamp replacement (Continued) Unplug power cord. Wait until lamp is sufficiently cooled. Wait for at least 1 hour. Remove the outer lamp cover. Loosen the 2 screws, raise the outer lamp cover with your fingers as shown to remove the outer lamp cover.

### [Page 47: Lens And Main Unit Cleaning](#)

Lens and main unit cleaning **WARNING** • Request cleaning and maintenance of a ceiling-mounted unit from your projector dealership. Attempting to clean or replace the lamp in a high location by yourself may cause you to fall, resulting in injury. Lens cleaning ❧...

### [Page 48: Troubleshooting](#)

Troubleshooting If you think something is wrong, check the followings before contacting customer service. Please see “Trouble indications” as well. p.93 If This Happens Check No power • Is the power cord plugged in? Is it connected to the projector? •...

### [Page 49: Specifications](#)

Specifications List of general specifications ❧ Item Specification Consumption Power □85 W Weight 4.□ kg External Dimensions □□8 × 1□8 × □68 mm (W × H × D) (including protruding parts) Cabinet material PC+ABS resin and ABS resin Conditions for usage environment Temp: 5°C to □5°C; relative humidity: □0% to 70% ®...

[Page 50](#) Specifications (Continued) ■ List of supported signals (Component signals) Signal format fh(kHz) 480i(525i)@60Hz 15.73 480p(525p)@60Hz 31.47 576i(625i)@50Hz 15.63 576p(625p)@50Hz 31.25 720p(750p)@60Hz 45.00 720p(750p)@50Hz 37.50 1080i(1125i)@60Hz 33.75 1080i(1125i)@50Hz 28.13 1080p(1125p)@60Hz 67.50 1080p(1125p)@50Hz 56.25 \* DVI digital input is not supported. ■...

### [Page 51: Control Terminal](#)

Specifications (Continued) CONTROL terminal ❧ Pin assignment □ Pin No. Signal Name D sub 9 pin connector DC 5 V Interface format □ 1. Communication method RS-□□□C, 9600 bps, No Parity, Data Length: 8 bits; Stop Bit Length: 1 bit □.

This manual is also suitable for:

[Tdp-tw420](#)