USB to Bluetooth KM Switch

CS533 Tap

User Manual

FCC Information

This is an FCC Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

RoHS

This product is RoHS compliant.

SJ/T 11364-2006

The following contains information that relates to China.

部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电器部件	●	○	○	○	○	○
机构部件	○	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求之下。

●: 表示符合欧盟的豁免条款，但该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

╳：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

User Information

Online Registration

Be sure to register your product at our online support center:

International	http://eservice.aten.com

Telephone Support

For telephone support, call this number:

International	886-2-8692-6959
China	86-10-5255-0110
Japan	81-3-5615-5811
Korea	82-2-467-6789
North America	1-888-999-ATEN ext 4988
United Kingdom	44-8-4481-58923

User Notice

All information, documentation, and specifications contained in this manual are subject to change without prior notification by the manufacturer. The manufacturer makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties as to merchantability or fitness for any particular purpose. Any of the manufacturer's software described in this manual is sold or licensed *as is*. Should the programs prove defective following their purchase, the buyer (and not the manufacturer, its distributor, or its dealer), assumes the entire cost of all necessary servicing, repair and any incidental or consequential damages resulting from any defect in the software.

The manufacturer of this system is not responsible for any radio and/or TV interference caused by unauthorized modifications to this device. It is the responsibility of the user to correct such interference.

The manufacturer is not responsible for any damage incurred in the operation of this system if the correct operational voltage setting was not selected prior to operation. PLEASE VERIFY THAT THE VOLTAGE SETTING IS CORRECT BEFORE USE.

Package Contents

Package

The CS533 Tap package consists of:

◆ 1 CS533 Tap USB to Bluetooth KM Switch

◆ 1 Plastic backing

◆ 1 Key Mapping Stickers

◆ 1 User Instructions*

Check to make sure that all the components are present and that nothing got damaged in shipping. If you encounter a problem, contact your dealer.

Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

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* Features may have been added to the CS533 Tap since this manual was printed. Please visit our website to download the most up-to-date version.

Contents

Appendix

About this Manual

This User Manual is provided to help you get the most from your system. It covers all aspects of installation, configuration and operation. An overview of the information found in the manual is provided below.

Chapter 1, *Introduction,* introduces you to the CS533 Tap. Its purpose, features, benefits, and requirements are presented, and its front and back panel components are described.

Chapter 2, *Setup,* describes how to set up your CS533. The necessary steps for basic hardware and Bluetooth setup are provided.

Chapter 3, *Input Method Editor (IME),* explains the IME feature for international users and how to use IME with your device.

Chapter 4, *Advanced Functions,* provides a complete description of the CS533's advanced functions, which include Hotkeys, Switching, Keyboard Mapping, Clearing Bluetooth Connections, Settings, and Firmware Upgrades.

An Appendix, provides specifications and other technical information regarding the CS533 Tap.

Conventions

This manual uses the following conventions:

Monospaced	Indicates text that you should key in.
[ ]	Indicates keys you should press. For example, [Enter] means to press the **Enter** key. If keys need to be chorded, they appear together in the same bracket with a plus sign between them: [Ctrl+Alt].
1.	Numbered lists represent procedures with sequential steps.
→	Indicates selecting the option (on a menu or dialog box, for example), that comes next. For example, Start → Run means to open the *Start* menu, and then select *Run*.
⚠	Indicates critical information.

Product Information

For information about all ATEN products and how they can help you connect without limits, visit ATEN on the Web or contact an ATEN Authorized Reseller. Visit ATEN on the Web for a list of locations and telephone numbers:

International	http://www.aten.com
North America	http://www.aten-usa.com

Chapter 1
Introduction

Overview

The CS533 Tap is a Bluetooth link that allows you to use a desktop keyboard and mouse* on a mobile device. With the CS533 you can use a desktop keyboard on your mobile device to compose and send text messages, e-mails, and instant messages; plus work within smartphone applications.

The CS533 allows you to:

- Wirelessly connect mobile devices to a desktop keyboard and mouse
- Use a desktop USB keyboard and mouse* on your mobile device
- Share a USB keyboard and mouse with a computer and 2 mobile devices
- Tap to switch USB keyboard and mouse use between devices

*Mouse functionality only available on select mobile devices.

Requirements

Device
- 1 Mobile Device with Bluetooth

Computer
- 1 Computer with Type A USB Port

Keyboard and Mouse
- 1 USB Keyboard
- 1 USB Mouse

USB Power Adapter (optional)

The CS533 can exclusively (without a computer) connect a mobile device to a desktop USB keyboard and mouse for use If you use the CS533 without a computer, a USB Power Adapter must be purchased separately to power the CS533.

Operating Systems

Supported operating systems are shown in the table, below:

OS	Version
Windows	2000 and higher
Mac	OS 10.6 and higher

Mobile Devices*

Supported Apple devices are shown in the table below:

Apple	iPad 1, 2, The new iPad	iOS 4.2.1 and higher
	iPhone 3GS, 4, 4S	
	iPod touch 2nd, 3rd, 4th Generation	

*For a complete list of supported mobile devices see *Compatible Mobile Devices*, page 27.

Components

Rear / Front View
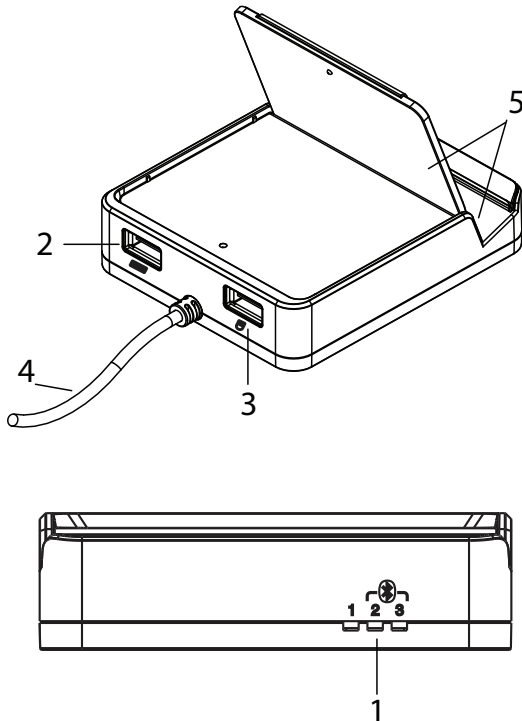
No.	Component	Description
1	Port LED's	Blue LED: light indicates which device is selected for keyboard and mouse use: 1. Computer 2. Bluetooth #1 3. Bluetooth #2
2	Keyboard Port	Plug the USB keyboard into this port.
3	Mouse Port	Plug the USB mouse into this port.
4	USB Cable	Plug this cable into the computer which will share keyboard and mouse use.
5	Cradle / Plastic Stand	Cradle with adjustable backing to hold your mobile device upright and in place. (See *Plastic Stand*, page 4, for details)

Plastic Stand
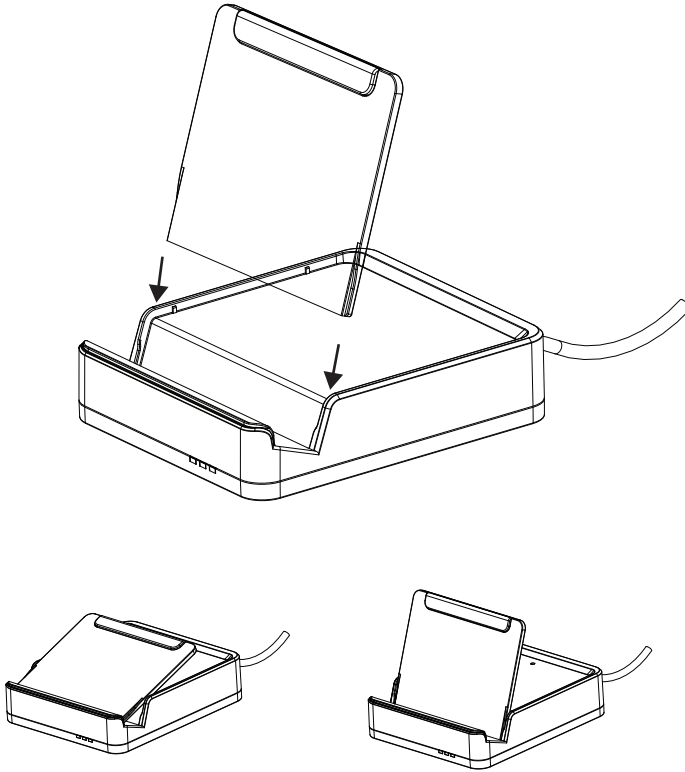
The plastic stand can be adjusted to the two positions shown above. Choose the position that best fits your mobile device for viewing.

Setup

Getting Started

To begin using the CS533 with your mobile device requires two steps, explained in this chapter:

1. Connecting the Hardware
2. Connecting Bluetooth

Connecting the Hardware

1. Plug the CS533's USB cable into the computer:
2. Unplug the USB keyboard from the computer, and plug it into the CS533.
3. Unplug the USB mouse from the computer, and plug it into the CS533.
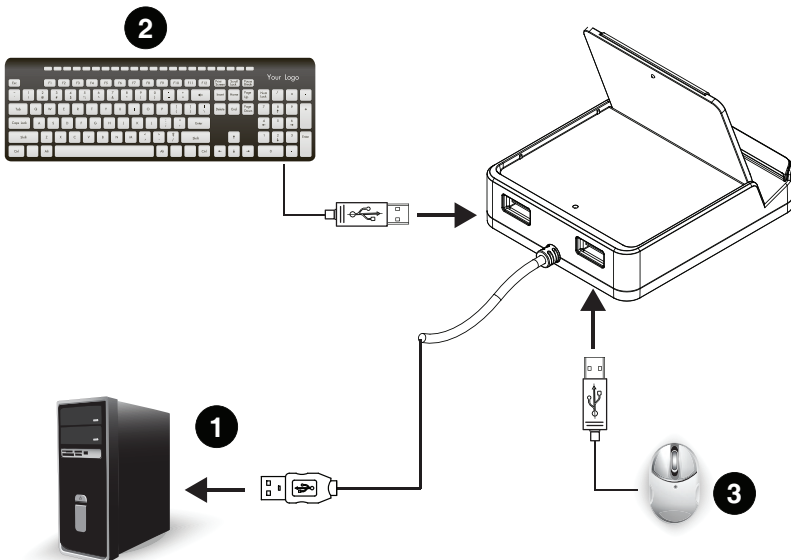
(Continues on next page.)

(Continued from previous page.)

Note: 1. For Windows operating systems, you must wait until the computer is finished installing the drivers for the CS533, and displays:

Your device is ready to use
Device driver software installed successfully.
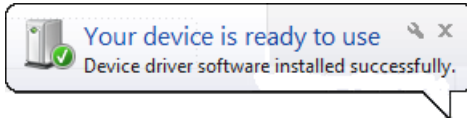
2. If you are using a wireless keyboard and mouse, be sure to plug the wireless receiver into the CS533's keyboard port.

3. Once all devices are connected, the keyboard and mouse will work on the computer.

Connecting Bluetooth

To connect your iPad/iPhone using Bluetooth, follow these instructions:

1. From the USB keyboard connected to the CS533, switch to port #2 by pressing:
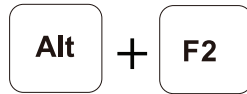
2. The CS533's #2 Blue LED light flashes:

3. Place your iPad/iPhone on the CS533:

4. From the Home Screen on your iPad/iPhone, go to: **Settings**:

5. Select **General,** and then **Bluetooth**:

6. Turn Bluetooth **On.**

7. With Bluetooth **On**, your iPad/iPhone will search for devices:

8. When the CS533 is discovered, it appears on the screen.

9. Select **CS533** from the iPad/iPhone, as shown above**.**

10. A message will appear on the iPad/iPhone screen:

11. From the USB keyboard, type the PIN code that appears on your iPad/ iPhone, and press **Enter.**

Note: If Bluetooth does not connect to pair with your device- **repeat Step 9**.

12. The CS533 appears on the iPad/iPhone as **Connected**:

13. The keyboard is now connected and ready for use on the iPad/iPhone:

14. To switch the keyboard back to your computer, press:
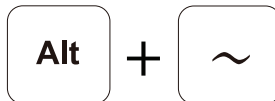
(*To switch the keyboard between devices, see page 15 for details*)

Note: 1. If you have a problem with the Bluetooth connection, see *Clearing Bluetooth Connections*, page 19, and repeat the steps above.

2. To connect a second Bluetooth device on the CS533, repeat the instructions above, using **[Alt]+[F3]** for step 1.

3. To change the Keyboard Mapping for better use with a mobile device, See *Keyboard Mapping*, page 17, for details.

Input Method Editor (IME)

Overview

IME is a component to set English keyboards to use other languages. If your device is used exclusively for English, you can skip this chapter.

An Input Method Editor (IME) is an operating system component that allows users to enter characters and symbols not found on standard English keyboards. For example; this allows users on English keyboards to input Chinese, Korean, Japanese, or Indic characters.

To change your keyboard language using the IME on your computer or mobile device, do the following:

1. Switch to the device you want to use (See *Switching*, page 15, for details).

2. To toggle the IME on or off, from the USB keyboard, press the hotkey:

Keyboard Type	iOS/Mac Hotkey	Windows Hotkey
PC	[⊞] + Spacebar	Ctrl + Spacebar
Apple	command ⌘ + Spacebar	Ctrl + Spacebar

3. Once IME is enabled, the device will use the characters of the language setup for your device.

Note: It is recommended that iPad/iPhone users upgrade to iOS 6; as this version provides the most effective IME component for typing in alternate languages.

Chapter 4
Advanced Functions

Overview
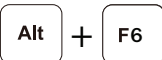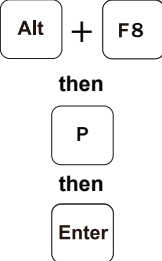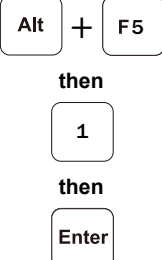
This chapter discusses the advanced functions of the CS533, which include: Hotkeys, Switching, Keyboard Mapping, Clearing Bluetooth Connections, Settings, and Firmware Upgrades.

Hotkeys

The chart below lists the *Hotkeys* with their related function and the *Page* for additional information about the hotkey.

Function	Hotkey	Page
Switch to Port 1 Switches keyboard and mouse to the Computer.	Alt + F1	
Switch to Port 2 Switches keyboard and mouse to the Bluetooth Device.	Alt + F2	
Switch to Port 3 Switches keyboard and mouse to the Bluetooth Device.	Alt + F3	15
Switch Forward Switch to the next port.	Alt + Ctrl	
Switch Back Switch to the previous port.	Alt + ~	

Function	Hotkey	Page
Display CS533 Settings Shows the CS533 settings.	Alt + F4	20
Disconnect Bluetooth Disconnects Bluetooth connection.	Alt + F6	19
Reset Settings Resets the CS533 settings.	Alt + F7	21
Firmware Upgrade Invokes Firmware Upgrade Mode.	Alt + F8 **then** P **then** Enter	22
Enable Keyboard Mapping Sets the *QWERTY* keyboard mapping.	Alt + F5 **then** 1 **then** Enter	17

Function	Hotkey	Page
Enable Keyboard Mapping: Sets the *Mac* keyboard mapping.	Alt ➕ F5 **then** 2 **then** Enter	17
Enable Keyboard Mapping: Sets the *iPad/iPhone* keyboard mapping.	Alt ➕ F5 **then** 3 **then** Enter	

Switching

Switching the Keyboard and Mouse for use

Switching involves using hotkeys from the USB keyboard to select a device: **Computer**, **Bluetooth Device 1**, or **Bluetooth Device 2**.

The Blue LED light indicates which **port** is selected for keyboard and mouse use:

1. Computer

2. Bluetooth Device (1)

3. Bluetooth Device (2)

1. To switch the keyboard and mouse to the **Computer** for use, from the USB keyboard press:
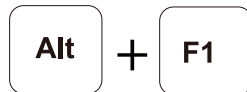
2. To switch the keyboard and mouse to **Bluetooth Device (1)** for use, from the USB keyboard press:

$$\boxed{\textbf{Alt}} \; + \; \boxed{\textbf{F2}}$$
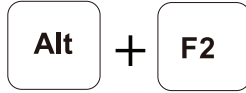
3. To switch the keyboard and mouse to **Bluetooth Device (2)** for use, from the USB keyboard press:

$$\boxed{\textbf{Alt}} \; + \; \boxed{\textbf{F3}}$$
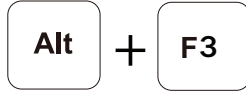
4. To switch the keyboard and mouse **Forward** to the next port, from the USB keyboard press:

$$\boxed{\textbf{Alt}} \; + \; \boxed{\textbf{Ctrl}}$$
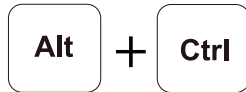
5. To switch the keyboard and mouse **Back** to the previous port, from the USB keyboard press:

$$\boxed{\textbf{Alt}} \; + \; \boxed{\textbf{$\sim$}}$$
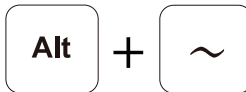
Keyboard Mapping

Mapping the USB keyboard allows a Windows keyboard to work like the Mac or iPad/iPhone (on-screen) keyboard with your device; or vice versa. Choose the layout for your device, then set the layout using the instructions below.

Keyboard Layout

Select the keyboard layout for your device, then go to the next section to set it on the port for *Your Device*.

Your Device	Use Keyboard Layout
Windows PC, Android	**QWERTY**
Mac Computer	**Mac**
iPad, iPhone, iPod touch	**iPad/iPhone (iOS)**

Setting the keyboard Layout

You can set a keyboard layout for each device connected to the CS533. Use the instructions below to change the keyboard layout.

1. From the USB keyboard, select a port on the CS533, by pressing:

<div align="center">

Alt $+$ **Ctrl**

</div>
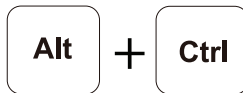
2. Enable *Keyboard Mapping*, by pressing:

<div align="center">

Alt $+$ **F5**

</div>
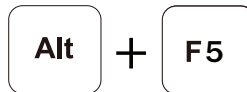
3. Then change the layout to ***QWERTY***, by pressing:

<div align="center">

1 then **Enter**

</div>

   –or–
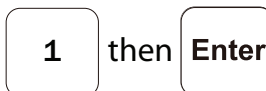
change the layout to *Mac*, by pressing:

> **2** then **Enter**

–or–

change the layout to *iPad/iPhone*, by pressing:

> **3** **+** **Enter**
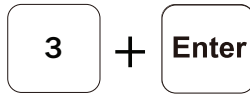
4. Use the *Keyboard Mapping Tables*, page 31, for a guide of how each key will function under the new layout.

Key Mapping Stickers

Key Mapping stickers are provided to use on your keyboard for quick reference. The blue heading above each sticker shows the key on which the sticker should be placed.

On each sticker:

Blue represents a key *combination*, in which the **[Alt]** key is pressed first and with that key.

Gray represents the keys exclusive function.

Standard Keyboard Commands

For a list of commonly used keyboard commands see *Standard Keyboard Commands*, page 29.

Clearing Bluetooth Connections

Clearing Bluetooth connections allows you to disconnect the current Bluetooth connection and create a new one. To clear a Bluetooth connection on the CS533, do the following:

1. From the USB keyboard, select the Bluetooth port you want to clear, by pressing either:

<div align="center">

Alt ＋ **F2**

–or–

Alt ＋ **F3**

</div>
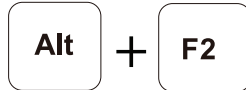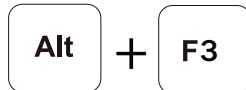
2. Disconnect the Bluetooth connection for the selected port, by pressing:

<div align="center">

Alt ＋ **F6**

</div>
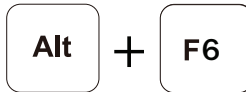
3. The blue LED light will flash, indicating the connection is cleared and the CS533 is ready to establish a new Bluetooth connection.

For help creating new Bluetooth connections, see *Connecting Bluetooth*, page 7.

Settings

Display Settings
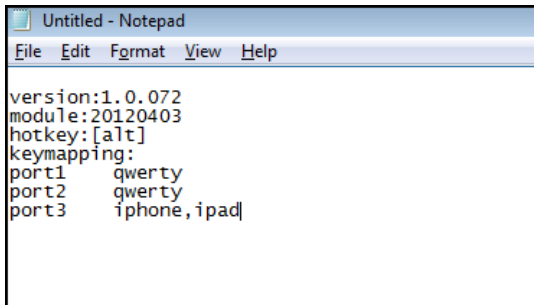
To view the CS533's current settings you must use a text editor such as *iWork Pages*, *Microsoft Word*, *Notepad*, or *Wordpad* to display the configuration.

To display the CS533's settings, do the following:

1. Open a text editor of your choice.

2. From the USB keyboard, press:

Alt **+** **F4**
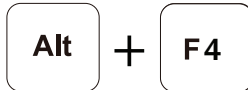
3. The CS533's settings will automatically *type out* within the text editor, as shown here:

```
Untitled - Notepad
File  Edit  Format  View  Help

version:1.0.072
module:20120403
hotkey:[alt]
keymapping:
port1    qwerty
port2    qwerty
port3    iphone,ipad
```

Setting	Description
Version	Displays the CS533's current Firmware version
Module	Displays the CS533's module date.
Hotkey	Displays the default hotkey set for all CS533 functions.
Keymapping	Displays the keyboard mapping layout for each port.

<u>Reset Settings</u>

Resetting clears all settings on the CS533.

To reset the CS533 back to the factory default configuration, do the following:

1. From the USB keyboard connected to the CS533, press:

<div align="center">

Alt ➕ **F 7**

</div>
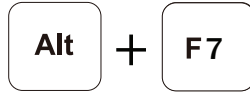
2. All settings are now set back to the original factory default configuration.

Firmware Upgrade

To upgrade the CS533's firmware, do the following:

1. From the computer connected to the CS533, go to ATEN's Internet support site: **http://eService.aten.com**

2. Go to the *Download Center*, select the CS533, and click *Firmware* for a list of available downloads.

3. Download the appropriate CS533 *Firmware Upgrade* package to your computer.

4. Unplug the USB mouse from the CS533, and plug it into the computer.

5. Invoke the CS533's Firmware Upgrade Mode, by pressing:

Alt + **F8**

then

P then **Enter**
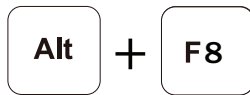
6. The front panel LEDs flash to indicate Firmware Upgrade Mode is in effect.

7. Double click the downloaded Firmware Upgrade package file.

8. Follow the installation instructions on the screen.

9. After the upgrade process is complete, unplug the CS533's USB cable from the PC, and re-plug it back into the PC.

10. The firmware upgrade is complete.

Appendix

Safety Instructions

General

- Read all of these instructions. Save them for future reference.

- Follow all warnings and instructions marked on the device.

- Do not place the device on any unstable surface (cart, stand, table, etc.). If the device falls, serious damage will result.

- Do not use the device near water.

- Do not place the device near, or over, radiators or heat registers.

- The device cabinet is provided with slots and openings to allow for adequate ventilation. To ensure reliable operation, and to protect against overheating, these openings must never be blocked or covered.

- The device should never be placed on a soft surface (bed, sofa, rug, etc.) as this will block its ventilation openings. Likewise, the device should not be placed in a built in enclosure unless adequate ventilation has been provided.

- Never spill liquid of any kind on the device.

- Unplug the device from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

- The device should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

- To prevent damage to your installation it is important that all devices are properly grounded.

- Do not allow anything to rest on the power cord or cables. Route the power cord and cables so that they cannot be stepped on or tripped over.

- To help protect your system from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or un-interruptible power supply (UPS).

- Position system cables and power cables carefully; Be sure that nothing rests on any cables.

- Never push objects of any kind into or through cabinet slots. They may touch dangerous voltage points or short out parts resulting in a risk of fire or electrical shock.

- Do not attempt to service the device yourself. Refer all servicing to qualified service personnel.

- If the following conditions occur, unplug the device from the wall outlet and bring it to qualified service personnel for repair.
  - The power cord or plug has become damaged or frayed.
  - Liquid has been spilled into the device.
  - The device has been exposed to rain or water.
  - The device has been dropped, or the cabinet has been damaged.
  - The device exhibits a distinct change in performance, indicating a need for service.
  - The device does not operate normally when the operating instructions are followed.

- Only adjust those controls that are covered in the operating instructions. Improper adjustment of other controls may result in damage that will require extensive work by a qualified technician to repair.

Technical Support

International

- For online technical support – including troubleshooting, documentation, and software updates: **http://support.aten.com**

- For telephone support, See *Telephone Support*, page iii:

North America

Email Support		support@aten-usa.com
Online Technical Support	Troubleshooting Documentation Software Updates	http://www.aten-usa.com/support
Telephone Support		1-888-999-ATEN ext 4988

When you contact us, please have the following information ready beforehand:

- Product model number, serial number, and date of purchase.

- Your computer configuration, including operating system, revision level, expansion cards, and software.

- Any error messages displayed at the time the error occurred.

- The sequence of operations that led up to the error.

- Any other information you feel may be of help.

Specifications

Function		CS533
PC / Bluetooth Connections		1/2
Port Selection		Hotkey
Connectors	Keyboard	1 x USB Type A Female (White)
	Mouse	1 x USB Type A Female (White)
	Power Supply	1 x USB Type A Male (White)
Cable Length	Computer	1.8 m
LEDs	USB Selected/Power Supply	1 (Blue)
	Bluetooth Selected	2 (Blue)
Emulation	Keyboard	USB
		Bluetooth V2.1, Class 2
	Mouse	USB
		Bluetooth V2.1, Class 2
Power Consumption		5v, W
Environment	Operating Temp.	0–50°C
	Storage Temp.	-20–60°C
	Humidity	0–80% RH, Non-condensing
Physical Properties	Housing	Plastic
	Weight	112 g
	Dimensions (L x W x H)	92 x 78 x 24.55 mm

Compatible Mobile Devices

Below is a table of HID devices* that support Bluetooth Human Interface Device Profiles for keyboard and mouse functionality. Devices that support Bluetooth Human Interface Device Profiles will work with the CS533 Tap.

Supported Devices		
Brand	**Model**	**O.S. Version**
Apple	iPad 1, 2, Newest iPad	iOS 4.2.1 and higher
	iPhone 3GS, 4, 4S	
	iPod touch 2nd, 3rd, 4th Generation	
	MacBook Air/Pro, Mac Pro, Mac Mini, iMac	OS 10.6 and higher
ACER	A500, A501, A100, A200	Android 3.x / 4.x
ASUS	Transformer TF101, Prime TF201 Padfone, ASUS Eee Pad, Memo M171	
MOTOROLA	XOOM	
LG	Optimus Pad, L-05D	
Lenovo	Android 3.x Tablet	
SONY	Tablet S, Tablet P Xperia Arc S, NEO V, Ray SO-05D, SO-04D, Xperia acro S	
Samsung	Galaxy tab 7.7/8.9/10.1 (Wifi/3G) Galaxy Nexus / Nexus S Galaxy SII / Note Galaxy S III	
Toshiba	AT100	
HUAWEI	Media Pad	
Fujistu	F-01D F-09D, F-10D, F-11D , T-02D	
Sharp	A01SH SH-07D	
HTC	One X, Flyer, Sensation / XE / XL	
NEC	N-07D	
Panasonic	P-06D, P-07D	

Supported Devices		
Brand	**Model**	**O.S. Version**
Fujistu	F-05D / T01D / F-08D / IS12F F-03D, F-12C	Android 2.x
Samsung	Galaxy SII i9100 / R i9103	
	Galaxy Nexus / Galaxy Note	
	Galaxy Tab (3G)P1000 GALAXY S II LTE	
Sharp	SH-12C / SH-01D / SH-02D / SH-03D SH-04D / SH-05D / 101SH / 102SH 103SH / 104SH / IS13SH / IS14SH SH-06D	
HTC	EVO 3D , Sensation , Sensation XE/XL, Explorer, Flyer	
Panasonic	P-05D	
Microsoft	Windows	XP / 2000 / Vista / 7
ACER	W500	
MSI	WindPad 100W	
Gigabyte	S1080	
FIC	Tycoon TVBO0	

*Note: The term "HID" refers to a compatible Bluetooth device.

Standard Keyboard Commands
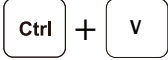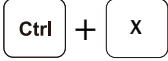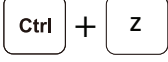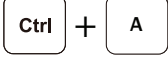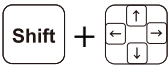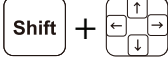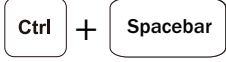
Below are standard key combinations to: *Copy, Paste, Cut, Restore, Select, Select All,* and invoke *IME Change* from **PC** and **Apple** keyboards.

PC Keyboard:

Function	Mac OS	Windows OS
Copy	⊞ + C	Ctrl + C
Paste	⊞ + V	Ctrl + V
Cut	⊞ + X	Ctrl + X
Restore	⊞ + Z	Ctrl + Z
Select All	⊞ + A	Ctrl + A
Select	Shift + ↑←→↓	Shift + ↑←→↓
IME Change*	⊞ + Spacebar	Ctrl + Spacebar

Apple Keyboard:

Function	Mac OS	Windows OS
Copy	command ⌘ + C	Ctrl + C

Function	Mac OS	Windows OS
Paste	command ⌘ **+** V	**Ctrl** **+** V
Cut	command ⌘ **+** X	**Ctrl** **+** X
Restore	command ⌘ **+** Z	**Ctrl** **+** Z
Select All	command ⌘ **+** A	**Ctrl** **+** A
Select	**Shift** **+** ←↑→↓	**Shift** **+** ←↑→↓
IME Change*	command ⌘ **+** **Spacebar**	**Ctrl** **+** **Spacebar**

*An input method editor (IME) is an operating system component that receives keyboard input as data, allowing users to enter characters and symbols not found on the keyboard. For example; on a computer this allows users of English keyboards to input Chinese, Korean, or Japanese characters. For more information on using IME see *Input Method Editor (IME)*, page 11, for details.

Keyboard Mapping Tables

The keyboard mappings are listed on two tables. Select the one for the keyboard you are using: *PC Keyboard or Mac Keyboard*. Then use the *Layout* column to understand how the key will function when pressed under each keyboard layout (**QWERTY**, **Mac**, **iPad/iPhone**).
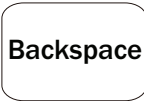
PC Keyboard Mapping

PC Keyboard		Layout		
Key		QWERTY (PC)	Mac	iPad / iPhone
Ctrl	Right/Left Control	Right/Left Control	Right/Left Control	Right/Left Control
Alt	Right/Left Alt	Right/Left Alt	Right/Left Option	Right/Left Option
(Windows Key)	Right/Left Windows Key	Right/Left Windows Key	Right/Left Command	Right/Left Command
Esc	Escape	Escape	Escape	www. Home
F1	F1	F1	F1 / Brightness Down	F1 / Brightness Down
F2	F2	F2	F2 / Brightness Up	F2 / Brightness Up

PC Keyboard		Layout		
Key		QWERTY (PC)	Mac	iPad / iPhone
F3	F3	F3	F3 / Expose	Spotlight Search
F4	F4	F4	F4 / DashBoard	Photo Friend (iPad & iOS5) Screen Lock (iOS4)
F5	F5	F5	F5	On-Screen Keyboard
F6	F6	F6	F6	-
F7	F7	F7	F7 / Rewind	Rewind
F8	F8	F8	F8 / Play - Pause	Play - Pause
F9	F9	F9	F9 / Fast Forward	Fast Forward

PC Keyboard		Layout		
Key		QWERTY (PC)	Mac	iPad / iPhone
F10	F10	F10	F10 / Mute	Mute
F11	F11	F11	F11 / Volume Down	Volume Down
F12	F12	F12	F12 / Volume Up	Volume Up
+ **E**	Windows Key + E	Windows Key + E	CD Eject	-
Delete	Delete	Delete	Delete Forward	Delete Forward
Print Screen SysRq	Print Screen	Print Screen	F13	-
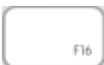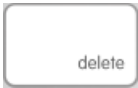
PC Keyboard		Layout	
Key	QWERTY (PC)	Mac	iPad / iPhone
Scroll Lock Scroll Lock	Scroll Lock	F14	-
Home Home	Home	Home	-
End End	End	End	-
Page Up Page Up	Page Up	Page Up	-
Page Down Page Down	Page Down	Page Down	-
Backspace Backspace	Backspace	Delete Backward	Delete Backward
Enter Enter	Enter	Return	Return

PC Keyboard		Layout		
Key		QWERTY (PC)	Mac	iPad / iPhone
Insert	Insert	Insert	Fn	-
Pause **Break**	Pause	Pause	F15	-
Num **Lock**	Num Lock	Num Lock	Clear	-

Mac Keyboard Mapping

Mac Keyboard		Layout		
Key		**QWERTY (PC)**	**Mac**	**iPad / iPhone**
control	Right/Left Control	Right/Left Control	Right/Left Control	Right/Left Control
shift	Right/Left Shift	Right/Left Shift	Right/Left Shift	Right/Left Shift
alt option	Right/Left Option	Right/Left Alt	Right/Left Option	Right/Left Option
command ⌘	Right/Left Command	Right/Left GUI	Right/Left Command	Right/Left Command
esc	Escape	Escape	Escape	www Home
F1	F1 / Brightness Down	F1	F1 / Brightness Down	Brightness Down
F2	F2 / Brightness Up	F2	F2 / Brightness Up	Brightness Up
F3	F3 / Expose	F3	F3 / Expose	Spotlight Search

Mac Keyboard		Layout		
Key		QWERTY (PC)	Mac	iPad / iPhone
F4	F4 / Dash Board	F4	F4 / Dash Board	Photo Friend (iPad & iOS5) Screen Lock (iPhone & iOS4)
F5	F5	F5	F5	On-Screen Keyboard
F6	F6	F6	F6	-
F7	F7 / Rewind	F7	F7 / Rewind	F7 / Rewind
F8	F8 / Play-Pause	F8	F8 / Play-Pause	Play-Pause
F9	F9 / Fast Forward	F9	F9 / Fast Forward	Fast Forward
F10	F10 / Mute	F10	F10 / Mute	Mute
F11	F11 / Volume Down	F11	F11 / Volume Down	Volume Down
F12	F12 / Volume Up	F12	F12 / Volume Up	Volume Up
⏏	Eject	-	-	-

Mac Keyboard		Layout		
Key		QWERTY (PC)	Mac	iPad / iPhone
F13	F13	Print Screen	F13	-
F14	F14	Scroll Lock	F14	-
F15	F15	Pause	F15	-
F16	F16	-	F16	-
F17	F17	-	F17	-
F18	F18	-	F18	-
F19	F19	-	F19	-
delete	Delete Forward	Delete	Delete Forward	Delete Forward
delete	Delete Backward	Backspace	Delete Backward	Delete Backward
return	Return	Enter	Return	Return

Mac Keyboard		Layout		
Key		QWERTY (PC)	Mac	iPad / iPhone
fn	fn / Help	Insert	fn / Help	-
home	Home	Home	End	-
end	End	End	End	-
page up	Page Up	Page Up	Page Up	-
page down	Page Down	Page Down	Page Up	-
clear	Clear	Num Lock	Clear	-

Limited Warranty

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