General Information

= Copyrights =

All rights reserved. The information contained in this user's manual is subject to change without notice. HiTi Digital Inc. makes no warranty with regard to the material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. HiTi Digital Inc. will not liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of the material.

= Safety Precautions =

- 1. Never attempt to disassemble or modify the transmitter. Doing so may lead to electric shock or malfunction.
- 2. Do not allow liquids near the transmitter, which may lead to electric shock or fire.
- 3. Do not use the transmitter if the transmitter body is damaged.
- 4. Do not mix rechargeable and alkaline batteries. This can cause leakage or rupture, resulting in personal injury or property damage.

= Federal Communications Commission (FCC) Statement=

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

- -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1) this device may not cause harmful interference and

2) this device must accept any interference received, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

= Area of Use and Restrictions =

- The WFT510 can be used only in the following areas.
 France, Italy, Germany, United Kingdom, Belgium, the Netherlands, Luxembourg, Ireland, Denmark, Greece, Spain, Portugal, Finland, Sweden, Poland, Hungary, Czech Republic, Slovakia, Slovenia, Estonia, Latvia, Lithuania, Cyprus, Malta, Austria.
- 2. The WFT510 can be used in the United States and Canada, in addition to the previous areas.

For information on other areas where this device can be used, contact the HiTi or HiTi authorized reseller/retailer.

- 3. The WFT510, which operates on wireless LAN frequencies for 13 channels, cannot be used in the United States or Canada. Instead, use the WFT510, which operates on wireless LAN frequencies for 11 channels.
- 4. In France, using wireless transmitter outdoors is prohibited.
- 5. In Italy, use outside of one's own premises requires general authorization.
- 6. In Latvia, use outside of one's own premises requires an individual radio license.
- 7. Do not use the wireless transmitter near other devices that emit radio waves, such as medical equipment ore electronic devices. The wireless transmitter may interfere with operation of these devices.
- 8. Use the transmitter as a wireless LAN device as describe in this user manual. If you use the transmitter for any other purpose. HiTi cannot be held liable for any loss or damage that may occur.

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=Background Knowledge=

This manual assumes that user has basic knowledge of ftp servers and LANs. For more information on installing, configuring, and using devices in a network, please contacts HiTi or HiTi authorized reseller/retailer.

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7. Specification

1. Checking package contents







HiTi Wireless Foto Transmitter WFT510

WFT510 Carry Bag

WFT PC Kit CD



USB Cable



User Manual



Warranty Card



Hook

Note:

1. If something missed from the package, please contact your local dealer or HiTi service center nearest to you.

2. Batteries are **EXCLUDE.**

2. Getting the latest update

HiTi Digital Inc. website provides the latest driver, application, user's manual, printer firmware, and so on for users to download. Please visit our website at www.hiti.com for more information.

Any questions toward HiTi product(s), please contact your local service center for detail.

3. Introduction of WFT510

3-1. WFT510 Parts



Notice: When the batteries are lower than certain level, Error LED (Red) will turn on. Please change batteries, otherwise Error LED will keep turning on.

3-3. System Requirements

- _Intel Pentium or compatible PC
- _ 100MB or freer hard disk space
- _ Windows 2000/XP/Vista (32 bit)
- _ CD-ROM or DVD-ROM drive

_ 128MB RAM or higher

4. Making WFT510 Ready to Work

-Inserting Batteries



• Pushing up the battery chamber cover of WFT510



• Inserting 4 rechargeable (Recommend) or alkaline AA batteries.

WARNING: **DO NOT MIX** rechargeable and alkaline batteries. This can cause leakage or rupture, resulting in personal injury or property damage.



• Pulling down the battery chamber cover of WFT510

Battery Life:

In order to maximize WFT510 performance, HiTi strongly recommend using rechargeable battery.

The following measurement s are performed at a temperature 20 (68) and humidity 40%. HiTi WFT510 works with test device. Actual battery life could be varied by different cameras and different batteries.

Type of rechargeable battery	Consecutively work	Standby
2700 Amp	4 hours	7 hours
2500 Amp	3 hours	6 hours

4-2. Putting WFT510 into WFT510 Carry Bag

WFT510 carry bag provides 3 ways to carry WFT510





Hang on by hook



Fasten by belt

4-3. Turning on WFT510

Carry by strap



 Push Power Switch on WFT510 from [OFF] to [ON] and then all LED will turn on at the same time. Waiting around 25 seconds, ONLY READY LED (green) is on. WFT510 is ready to work.

5. How to Transmit Image from WFT 510 to HiTi P510Si Printer

5-1. Configuring WFT510 with HiTi P510Si Printer



<u>Step1</u> Turn on P510Si Select [Settings] and press (↔) button



Step 2
Select [Advanced Setting]
Select [Wireless for Camera] and Press (▷) button
switch [OFF] to [ON]



Step 3

Press (x) button and screen will return to main menu Wait until wireless camera icon show up



Step 4

Press (🗐) button and enter [Network Setting]

SSID Selection		Stop 5
HiTi0	HiTi5	$\frac{Step S}{S}$
HiTi1	HiTi6	Press (+) button and select SSIL
HiTi2	HiTi7	
HiTi3	HiTi8	
HiTi4	HiTi9	
🛞 Cancel 🜔 Sele	ct 🕑 Set	

WARNING: Tow or above P510Si printers at one place **MUST** select different SSID. Otherwise, WFT510 could transmit image to wrong printer due to same SSID



<u>Step 6</u> Press (▷) button



Step 7 Select [WFT510 icon] and press (↔) button



<u>Step 8</u> Transmitter configuration screen show up **DO NOT** press (↔) button at this moment



<u>Step 9</u>

Using USB cable* connect WFT510 to P510Si and then press (-) button

*Please use USB cable attached with WFT510



<u>Step 10</u> P510Si will automatically configure with WFT510



<u>Step 11</u> Wait until "Configuration Done" show up Pull out USB cable from WFT510 and P510Si WFT510 is ready to work with P510Si

5-2. Transmitting Image from Camera to P510Si and Printing out Image



<u>Step1</u> Use USB cable* to connect WFT510 and camera *Please use USB cable attached with camera



<u>Step 2</u> Capture images



<u>Step 3</u> Click SWITCH button on WFT510



<u>Step 4</u> Camera will switch to PictBridge Mode** Choose images and transmit them to WFT510

** This procedure could be varied by camera.

For example, Nikon D200/Canon S3 can switch to PictBridge Mode at Shooting mode. Canon 40D MUST be at Playback mode and then can switch to PictBridge Mode.

Please check camera user manual "PictBridge Mode" part.



<u>Step 5</u> Switch LED (blue) blinking means WFT510 is receiving image from camera



<u>Step 6</u> Transfer LED (orange) blinking means WFT510 is transmitting image to P510Si



<u>Step 7</u>

After receiving the image from WFT510, P510Si will print out the photo immediately

6. How to Transmit Image from WFT 510 to PC via WFT510



6-1. Installing WFT PC Kit

Step 1

Insert the CD into CD/DVD ROM, and then the computer will automatically star the installation. If the installation does not star automatically, please double

click	&hiti	setup.exe Setup.exe Macrovision Corporation	in the CD
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Step 3

After reading license agreement, click [Yes] to accept and proceed with installation



Step 4

Select installation location and click [Next]



Click [Next] to start installation procedure



<u>Step 6</u> Wait the installation process complete

Step 7

Select [Setup WFT Driver] (default) and click [Finish] Complete WFT PC Kit installation



<u>Step 1</u> Double click WFT PC Kit icon on the desktop The first page of WFT PC Kit will show up

Icon	Item	Description
Y	Import	Import profile from other device
3	Export	Export selected profile to device
	Edit	Edit profile
Ē	Delete	Delete profile
	Upgrade	Upgrade profile sequence on the list
₽	Downgrade	Downgrade profile sequence on the list
*	Test	Test WFT510 network setting



Click [Create a new profile] Select wireless structure: Infrastructure or Ad-hoc

((m 1 m))	Infrastructure: An infrastructure configuration is a WLAN and
(tu CV)	wired LAN communication to each other through an access
	point.
	Ad-hoc: An Ad-hoc configuration is a group of wireless
🖉 """ 💎	devices communication directly to each other (peer-to-peer)
	without the use of an access point.

。Infrastructure



<u>Step 1.a</u> Select [Auto] (recommend) Choose an access point you want to connect and Click [Next]

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<u>Step 1.b</u> Select [Manual] Enter SSID, IP Address, Subnet Mask, and Default Gateway Click [Next]

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Security	Carrileo	1		
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Select Security method: [None], [WEP] Enter password and confirm password Click [Next]

Open	ASCII	Type 5 ASCII character or, 13 ASCII character for
System		example"Abe2Q"
Shared Key	HEX	Type 10 Hexadecimal digits or 26 Hexadecimal
		digits, for example "abc1234567"
None		Do not need password



Step 3.a

Select [HiTi File Server] (recommend)

Click "¹", you can select or create a receiving folder

Click [Complete]



Step 3.b

Select [Connect to my FTP server] Enter your FTP IP address, Port, ID, and Password Click [Complete]



<u>Step 4</u> Check Network setting Click [Save] to reserve this profile



<u>Step 5</u> Turn on WFT510 Use USB cable to connect PC and WFT510

ang Profiles	23 R		*	*	+	a?
s a new profile	Partic New	821				
	(Piec)	Value				_

Select the profile you just created and click



。Ad-hoc



<u>Step 1</u> WFT PC Kit will automatically assign one set of SSID Or you can create your own SSID set Click [Next]

IMPORTANT: Please write down Subnet Mask and Default Gateway

WARNING: If you are not familiar with WLAN network setting , HiTi do not recommend you create your own SSID and IP address.



Step 2 Select Security method: [None], [WEP] Enter password and confirm Click [Next]



Step 3.a Select [HiTi File Server] (recommend) Click "[•]", you can select or create a receiving folder Click [Complete]

IMPORTANT: Please Write down Server IP



<u>Step 3.b</u> Select [Connect to my FTP server] Enter your FTP IP address, Port, ID, and Password Click [Complete]



Step 4

Check network setting Click [Save] to reserve this profile



Step 5 Turn on WFT510 Use USB cable to connect PC and WFT510



Select the profile you just created and click



6-3. Setting up a network on PC to connect WFT510 (For Ad-hoc Mode)





<u>Step3</u> Click [Network Communication]



<u>Step 4</u> Select [Wireless Network Connection] and click right bottom of mouse Select [Properties]



Step 5

Select [Internet Protocol (TCP/IP)] and click [Properties]

Seneral					
You can get IP settings assigned a this capability. Otherwise, you need the appropriate IP settings.	sutomatical dito ask yo	y if y urne	our ne twork	twork a adminis	upports trator 6
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IP address					
Subnet mask:					
Default gateway					
Conan DNS server address a	(coming in	P.,			_
Use the following DNS server	addresses	-			
Preferred DNS server.					
Alternate DNS server					
				Ad	ranced
		-		- 11	-

<u>Step 6</u>

Select [Use the following IP address] Enter the IP address, Subnet Mask, and Default Gateway that you write down on page 16 and 17 Click [OK]

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<u>Step 7</u>

Return to Step 4, select [Wireless Network Connection] and click right bottom of mouse.

Select [View Available Wireless Networks]

<u>Step 8</u>

Choose the SSID that you created and press [Connect]

Important: If you reboot WFT510, Please repeat step 7 and 8

Windows Vista



<u>Step 1</u> Click [Network]



<u>Step 2</u>

Click [Network and Sharing Center]





Click [Manage network connections]

Step 4

Select [Wireless Network Connection] and click right bottom of mouse Click [Properties]

sharing sharing		
Connect using:		
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File and Prin	ter Sharing for Microsoft	Networks
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Step 5

Select [Internet Protocol Version 4 (TCP/IPv4)] and click right bottom of mouse Click [Properties]

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	- 		

<u>Step 6</u>

Select [Use the following IP address] Enter the IP address, Subnet Mask, and Default Gateway that you write down on page 14 Click [OK]

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<u>Step 7</u> Return to the Step 3 and click [Connect to a network]

<u>Step 8</u> Choose the SSID that you created and press [Connect]

Important: If you reboot WFT510, Please repeat step 7 and 8

6-4. Transmitting images from Camera to PC



Step1

Use USB cable* to connect WFT510 and camera *Please use USB cable attached with camera



<u>Step 2</u> Capture images



<u>Step 3</u> Click "switch" button on WFT510



<u>Step 4</u> Camera will switch to PictBridge Mode** Choose images and transmit them to PC

** This procedure could be varied by camera.

For example, Nikon D200/Canon S3 can switch to PictBridge Mode at play mode. Canon 40D MUST be at Preview mode and then can switch to PictBridge Mode. Please check camera user manual "PictBridge Mode" part.



<u>Step 5</u>

Switch LED (blue) blinking means WFT510 is receiving image from camera



<u>Step 6</u> Transfer LED (orange) blinking means WFT510 is transmitting image to PC

6-5. Test network setting

If you cannot connect WFT510 and PC/P510Si, WFT PC Kit provides [Test function] to help you test network setting and show the result.



<u>Step 1</u> Turn on WFT510 Use USB cable to connect PC and WFT510



Step3

Wait around 10 seconds, test result will show up.

Error message	Solution
"SSID connection failed!"	Please check Access Point setting
"Network is unreachable! Please check encription, server's IP or WFT510's IP!"	Please check Security setting
"No route to host!"	Please check WFT510 and P510Si setting
"FTP Connection refused! Please check port no."	Please check FTP server port no.
"FTP authentication failed!"	Please check FTP password setting
"FTP login incorrect!"	Please check FTP username setting
"FTP permission Denied!"	Please check FTP username authority
"No route to host! Please check server's IP!"	Please check WFT510 and host IP setting
"Sending data error! Please check HiTi's server!"	
"WiFi dongle totally crash! Please restart WFT510!"	
"File transmitting by FTP failed!!"	
"File transmitting by TCP failed!!"	Please contact your local service center for detail.
"File transmitting failed!!"	

7. Specification

Please notice that specification	of WFT 510 is subject to change without notice.
----------------------------------	---

Item	Description
Wireless Standards	IEEE 802.11b, IEEE 802.11g
Communications	IEEE 802.11b: DQPSK, DBPSK
Protocols	IEEE 802.11g: OFDM
Operation frequency	2412-2472 MHz
Antenna	Gain 2 dBi
Range*	Approximately 100m
Data rates**	11b:11Mbps/5.5Mbps (CCK), 2Mbps (DQPSK), 1Mbps (DBPSK)
	11g: 54M/48M/36M/24M/18M/12M/9M/6Mbps (OFDM)
Security	WEP64, WEP128
Access protocols	Ad-Hoc/Infrastructure
Camera connection	PictBridge
PC connection	USB 2.0
Data transfer protocols	TCP-IP, FTP
Power consumption	In operating :4W
	Idling: less than 1W
Power source	4 rechargeable or alkaline AA batteries
Dimension (W*H*D)	68mm*140mm*30mm
Weight	155g (body only)

*Range may vary with signal strength and presence or absence of obstacle.

**Maximum logical data rates according to IEEE standard. Actual rates may vary.