Configuring the Wireless LAN settings for the BV400 series of thermal printers.

This document refers to the Toshiba BCP Setting Tool software. You will need to download this software. It is available from the following address:

https://www.toshibatec.com/download_overseas/printer/setting_tool/BCP_Series/

After you download and install the software you need to select the model of printer that you are going to be setting up, by selecting "Printer Setting", then selecting the printer model from the drop-down list.

BCP	Setting	g Tool				20163-112220	_		×
Eile	Edit	View	Custom Language	Help					
	Vice		BV400-G/1	(203dpi/300dpi) Interface : 0	-	-	-	Op	otion
Printe	er Setting	9	Printer:	BV400-G/T (203dpi/300dpi)					
Parame Main Dos	Parameter Setting Parameter Setting Maintenance Download		Interface:	B-FP2D (203a) B-FP3D (203a) B-FP3D (203a) B-FP3D (203a) B-FX4T1-GT (203a) B-EX4T1-GT (203a) B-EX4T1-GT (203a) B-EX4T2-GT (203a) B-EX4T2-GT (203a) B-EX4T2-GT (203a) B-EX4T2-GT (203a) B-EX4T2-GT (203a) B-EX4T3-GT	Port				
1	Tool								
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We recommend connecting the printer via USB cable.

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Vice Printer Setting		BV400-G/T Printer:	(203dpi) BV400-G/T (20	(300dpi) Interfa 3dpi/300dpi)	ce : USB	•	_	Option
1		Interface:	Interface	Name			Port	
Parameter Settin Maintenance	g		USB Bluetooth LAN COM	1\7usb#vid_08a6	8pid_6003#5836aa9f6f80	86#(a5dcbf1	TOSHIBA BV400-G	
Tool			Delete		Im	port	Export]



On the LAN tab, you will need to select the check box for TCP/IP. We also recommend disabling DHCP and using a static IP address for the device.

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nter Setting	TCP/IP				MP Trap		
	LAN I/F:	Enable (V	Vireless LAN)	• [1]:	Disable	~	0.0.0.
¥≡	IP Address:	Disable Enable (A		[2]:	Disable	-	0.0.0.
	Subnet Mask:	Enable (V	/ired LAN)	[3]:	Disable	-	0.0.0.
neter Setting	Default Gateway:	192 .	168 . 0 .	1 [4]:	Disable	-	0.0.0.
120	Protocol			[5]:	Disable	~	0.0.0.
~	LPR:	Enable	234 23	- [6]:	Disable	-	0.0.0.
intenance	Socket:	Enable		- [7]:	Disable	Ŧ	0.0.0.
	Port Number:	9100	-	[8]:	Disable	Ŧ	0.0.0.
	WEB Printer:	Disable		~ [9]:	Disable	Ŧ	0.0.0.
-	SNMP:	Enable		~ [10]:	Disable	Ŧ	0.0.0.
ownload	Server						
	DHCP:	Disable	•	DHCP Host Name:			
	Input Type:	HEX					
	DHCP Client ID:						
Tool							

After enabling wireless LAN you need to set an IP address, subnet mask and default gateway.

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View	BV400-G/T (20	3dpi/300dpi) Interface	:0	VI AN (2) R. SOTI	Option
Printer Setting	TCP/IP LAN I/F: ID A44	Enable (Wireless LAN)	 SNMP [1]: 	Trap Disable	
Parameter Setting	Subnet Mask: Default Gateway:	132 168 0 234 255 255 255 0 192 168 0 1	[2]: [3]: [4]:	Disable * Disable *	
🐸	Protocol	Enable	<pre>[5]:</pre>	Disable ~ Disable ~	
Maintenance	Socket: Port Number: WEB Printer:	Enable 9100 \$ Disable	~ [7]: [8]: ~ [9]:	Disable * Disable * Disable *	0 . 0 . 0 . 0 0 . 0 . 0 . 0 0 . 0 . 0 . 0
Download	SNMP: Server DHCP:	Enable v	[10]: DHCP Host Name:	Disable -	
Tool	Input Type: HEX DHCP Client ID:	•			
Emulation	Set Parameter	Get Parameter			



One WLAN tab 1, you will need to set your network SSID. This is the name of your WIFI network (or access point).

One other option that you need to set is the country code. In the below example we have set it to Australia (AUS) already.

To set the country, you need to press the keys CTRL + SHIFT + ALT + L (press all 4 keys at the same time), this will enable the drop down menu.

The Authentication settings (as per below) are the most common ones, you may need to change these to match your network settings.

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BCP Setting Tool	≣ ≣ I≣ - 4 ⊞ -	1 Normal 1 No Spac H	eading 1 Heading 2 Title 👳	Create = d Sha a Re	×
<u>File E</u> dit <u>V</u> itw	<u>C</u> ustom Language <u>H</u> elp				
View	BV400-G/T (203	dpi/300dpi)		Ost	
		Interfac	e : USB	Ορι	on
S	🕏 General 🔍 General (2)	🦻 General (3) 🔍 Device 🔍 L	AN 🦻 WLAN 🗭 WLAN (2) 🗣 SOTI		
Printer Setting	WAN Detail		802.11abgn		
	ESS IL: your-network	-SSID	AP Mode Channel:	11 ch	~
l i j≡ i i	Beacon Transmitting Interval:	0.1 🔹 sec	Band select:	2.4GHz	~
Parameter Setting	Roaming Threshold Min.:	70 🔹	Infrastructure Channel Mask:		
	Roaming Threshold Max.:	50 🜩	2.4GHz:	5GHz:	•
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Country Code:	AUS	2 ch	✓ 40 ch	
	WLAN Extension	F _11	4 ch	✓ 48 ch	
Maintenance	WLAN Power Save:	Enable coontry code. In the	✓ 5 ch	✓ 52 ch ✓ 56 ch	
	(1) Connection Mode:	Infrastructure	✓ 7 ch	☑ 60 ch ☑ 64 ch	
	(2) Encryption:	Disable	▼ 9 ch	☑ 100 ch ☑ 104 ch	
Download	(3) Network Authentication:	WPA2-Personal	▪ 11 ch	 ✓ 108 ch 	~
	(4) EAP Method:	Disable	• WEP		
			Key Index: 1	* Input Type: HEX	Ŧ
Tool			WEP Key: Disable	v	
Emulation	S III Connection Made				
	Set Parameter	Get Parameter			
		Succession and the second s			



Next you will need to enter WIFI password.

This is located on WIFI tab 2

Next you will need to enter WIFI password.

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View	BV400-G/T (203dpi/300dpi) Interface : USB
Printer Setting	WPA-PSK Pre Shared Key: Account User Name: Password:
Maintain and Anna	Supplicant Server Cetificate:
Download	Key File: Image: State of the state of t
Emulation	Set Parameter Get Parameter

After setting all of the parameters, you then click "set parameter"

The following screen will appear and display the following result when successfully uploaded to the printer.

Туре	Name	Status	Time
USB	\\?\usb#vid	Set Parameter , Start	8/8/2022 3:37:28 P
USB	\\?\usb#vid	Set Parameter , Complete	8/8/2022 3:37:47 P
_			



The printer will then restart, and you should see the IP address that you set on the display.

The Blue online light will flash and when the printer has successfully connected to your WIFI network, it will go solid Blue.

You will also see the WIFI card and signal here.



Your printer is now connected to your network and ready to use.



You can test that the printer is communicating via WIFI from the BCP software tool.

Go to printer settings and select LAN, you will be asked to set the IP address. Use the one that you have just set the printer to. (also unplug the USB cable from the computer).

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	View		BV400-G/T	(203dpi/	300dpi) Interfac	e:LAN	Option
Phinte	er Setting	ic Mi	Printer:	BV400-G/T (20)	3dpi/300dpi) Name	- Port	
Parame	eter Setti	ng		USB Bluetooth	192.168.0.234	remond in Pre-Shered Key 9100	
Main	Service						
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	Tool	is, f iriel i ine fi		successful t n - Disconi > Tool icon -			
Em	W ulation	is cu		Delete	Ethe het, not Wi	E Defei Import	art aroot

The go to the Tool setting, and test print. You should have a label print out of the printer.

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<u>File E</u> dit <u>V</u>	iew <u>C</u> ustom Language	Help				ent.
View	BV400-G/T	(203dpi/300dpi) Interfa temal Character 🗣 Test Print	ce : LAN	-	_	Option
Printer Setting	Print Pattern					
	Print Pattern:	Slant Lines (1 dot)	•			
¥=	Resolution:	203 dpi	•			
Parameter Setting	Print Condition					
	Issue Count:	1				
1	Print Speed:	5 inch/sec	•			
· · · · ·	Sensor:	None	•			
Maintenance	Issue Mode:	Batch	•			
	Cut Interval:	0				
	Print Method:	Thermal Transfer	•			
	Label Length:	74 🚖 mm				
Download	Label Gap:	2 🚔 mm				
	Label Width:	104 💼 mm				
	Tone Adjustment:	0				
Tool						
Emulation		iest mint				

You will need to install a printer driver for the printer now, we recommend downloading the latest driver from:

https://www.seagullscientific.com/support/downloads/drivers/toshiba-tec/download/



Follow the installation process and install the printer. We would recommend installing the printer as a USB device first, then manually adding a standard TCP/IP port to the driver (using the IP address that you have already set the printer too).

