



EmbroideryConnect

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Wilcom International Pty Ltd. (a.c.n. 119 508 575) Level 3, 1-9 Glebe Point Rd, Glebe Sydney, New South Wales, 2037, Australia PO Box 1094, Broadway, NSW 2007 Phone: +61 2 9578 5100 Fax: +61 2 9578 5108 Web: http://www.wilcom.com

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EmbroideryConnect WiFi Machine Networking

The EmbroideryConnect capability allows you to wirelessly transfer embroidery designs from EmbroideryStudio to USB-enabled embroidery machines. Machine files are automatically generated and sent via a standard WiFi network to a compatible EmbroideryConnect WiFi device device plugged into an associated machine. Design transfers are securely encrypted.



Most modern embroidery machines like Tajima, Barudan, Happy, ZSK, Ricoma and SWF, can read files from a standard USB memory stick. With EmbroideryConnect, there is no need for serial ports, different interface methods, or machine cabling.

The EC device is of great potential benefit to commercial embroiderers who want to network any brand of commercial or 'prosumer' embroidery machines and need a choice of 'push' or 'pull' wireless transfer methods. Benefits can also be found for retail kiosk operators.

This section presents an overview of the product concepts, installation, configuration, and basic usage for EmbroideryConnect.

Network overview

In a nutshell, EmbroideryConnect allows users to wirelessly transfer embroidery designs from EmbroideryStudio to multiple commercial USB-enabled embroidery machines. It is an ideal solution for small to medium size commercial embroidery manufacturers. EmbroideryConnect is designed to meet the following usage requirements:

- EmbroideryStudio user wants to be able to send a design from PC directly to a nominated machine.
- ES user wants to 'push' a design to a queue for eventual production.
- Machine operator wants to 'pull' a nominated design to embroidery machine from the design queue.

What is an EmbroideryConnect network?

The concept behind the EmbroideryConnect network is described by the following diagram...



End-user benefits

What are the benefits of the EmbroideryConnect capability?

Simple and easy to use...

- Easy to install and configure.
- Connect to existing WiFi and eliminate complicated network setup and configuration.
- Plug into any USB-enabled embroidery machine.
- Wireless design transfer no need for network cables.
- Mix and match different brands of machine on the same network.

The right design, every time...

- Mach
 - Machine file automatically generated on output.
 - Convenient operation with the pull method. No risk of selecting wrong design for the order.



Safe and secure...

- Correct design loaded to the correct embroidery machine.
- Designs encrypted during transfer and, optionally, removed automatically from the design queue.
- Optionally, designs deleted from the EC device when disconnected.

Usage scenarios

There are two basic ways of setting up an EmbroideryConnect network using either a single PC or multiple PCs.

Scenario 1: Single PC

If you are using a single PC to create, edit, and manage your designs as well as serve machine files to your embroidery machine/s, you will need both EmbroideryStudio and EmbroideryHub running.

Scenario 2: Multiple PCs

If you are using two or more PCs to create your designs and a dedicated PC to serve your machine files, you will need:

- EmbroideryStudio with EmbroideryHub running on PC 1.
- EmbroideryStudio running on PC 2, PC 3, etc.

Design files may be saved anywhere on your network. These are sent to the EmbroideryHub where they are converted to machine files and sent to the EmbroideryConnect network.

Visit the Wilcom Support Center at www.wilcom.com.au/support for a current list of compatible machines.

EmbroideryConnect components

The system employs the following components...

Component	Details
EmbroideryConnect WiFi device	A Wilcom-supplied WiFi device – one per machine.
EmbroideryHub PC	A nominated PC will act as the EmbroideryHub. This PC should remain on at all times. All designs are routed through it to embroidery machines connected to the EmbroideryConnect network.
EmbroideryHub	EmbroideryHub software is activated on the dedicated PC
	 Designers can send (push) designs to connected machine(s) running the EC device.
	 Alternatively, designers can send designs to the EmbroideryHub queue.
	 Machine operators can request (pull) specific design from the queue via barcode scanner connected to the EC device.
EmbroideryStudio users	Other ES users can send designs to machines via the EmbroideryHub. All EmbroideryConnect devices on the network will appear for selection in a machine list. There is no need for shared folders, etc.
ES dongle	EmbroideryHub will only run if there's an ES dongle plugged into the EmbroideryHub PC or there is an ES network dongle on the same network.

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Note All EmbroideryConnect devices are locked to the dongle used during the setup process. These devices will only run with that particular dongle attached to the EmbroideryHub PC or network.

Third-party components

To set up an EmbroideryConnect network, some third-party hardware items are also required...

Component	Details
USB-capable embroidery machines	 Able to read designs from USB memory stick. Preferably with the USB port built into the control panel. Add-on USB converters in old machines may not be compatible.
Compatible WiFi router	See below for details.
Barcode reader	Optional.

Component	Details
Windows	Access must be configured by a user who has full
Administrator	administrator privileges and is part of a Windows
privileges	'Workgroup' or 'Domain' network.

WiFi router compatibility requirements

Note the following WiFi router requirements to be compatible with the EC device:

Requirement	Details
Standard security protocol	The WiFi router must use one of the standard security protocols: WEP or WPA/WPA2 Personal. Security type 'none' or 'unsecured' is not supported at present. A WiFi password is mandatory.
Support for WLAN Protocol 802.11 G	The WiFi router needs to support WLAN Protocol 802.11 G in the 2.4 Ghz band. The EC device will not connect to a WiFi router using the 5 Ghz band. If unsure, consult the documentation provided with your router.
WiFi network name	You must know the WiFi network name (SSID) and WiFi router password (key). We recommend using a SSID (network name) that contains only alphanumeric characters – letters and numbers.
WiFi coverage	WiFi coverage must be sufficient to serve the entire production area.

EmbroideryConnect device

A separate EmbroideryConnect device is needed for each embroidery machine on the network. Designs can be 'pushed' to a named device or 'pulled' via barcode reader at each machine.



Note All EmbroideryConnect devices are locked to the dongle used during the setup process. These devices will only run with that particular dongle attached to the EmbroideryHub PC or network.

Device features

Device features are summarized below:

Item	Description
EmbroideryConnect device	The device itself is small and compact. It can plug directly into an embroidery machine USB port or via USB extender cable.
USB-C connection	USB-C connection at top to connect device to PC or embroidery machine.
USB-A connection	Separate USB-A input port for USB barcode scanner.
Device state indicator	The device displays basic status information. See below for details.
Power from USB	No separate power supply needed – power is drawn from USB port.

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Tip The EmbroideryConnect device comes with 3M mounting strips in order to attach the device to the target machine.

EC device states

The EC device indicates various devices states. The following table explains the color coding...

When	Status light	Status
Attaching device to machine	Solid green	Device is running smoothly so machines can access designs.
Scanning barcode	Flashing orange	Barcode scan failed. Scanned file not found in design queue.
	Flashing purple	Device cannot connect to EmbroideryHub for design request.
Sending design to	Flashing yellow	Device is unmounted.
device	Flashing orange	Sent file already exists on device.
	Flashing red	Error occurred.

EmbroideryConnect setup

Setting up an EmbroideryConnect network is easy...

- Separate device required for each embroidery machine.
- Dedicated network PC to act as the 'EmbroideryHub' and run the EmbroideryHub software.
- All devices need to be configured by EmbroideryHub on this PC.

 All secondary PCs access the EmbroideryConnect network via the EmbroideryHub.

To configure an EmbroideryConnect device

- 1 Ensure your computer has an active internet connection.
- 2 Start EmbroideryHub from the program group or desktop.



When first run, the device list in the EmbroideryHub main window is empty.



3 Plug the EC device into the computer via the USB-C port located at the top.



4 Ensure all lights are in 'Setup' mode. When the power LED is solid green and the WiFi LED is flashing blue, the device has finished booting. This generally takes about 60 seconds.



- 5 Click Add New EmbroideryConnect and follow the setup wizard prompts.
 - If an unconfigured EC device is detected, the process will open the wizard directly and take you to Step 6.

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 If no unconfigured EC device is detected, the dialog below will appear. Check the device is correctly attached and has finished booting. Click Next when the button becomes available.

Mdd New EmbroideryConnect	-		×
Connect the USB-C plug of the provided cable to the USB-C port of the new Embroiden/Connect and the USB-A plug of the cable to your computer			
C) C) C) C) C) COM			
It may take a while to detect the new device.			
Click 'Next' once it is enabled and follow the instructions.			
N	ext	Cance	el 🛛

• If more than two unconfigured EC device are connected, the dialog below will appear. The code displayed corresponds to the tag number on back of the device. Select a device and click **Setup**.

Add New EmbroideryConnect	×	
Select the EmbroideryConnect		
EmbroideryConnect (Tag 000026-000)		
EmbroideryConnect (Tag 000025-000)		— Select EC
		device
Setup Car	ncel	

н

6 When prompted, select your WiFi network and click Next.

X	Add New EmbroideryConnect	×	
	EmbroideryConnect (Tag 000025-000)		
	Select or Add a Wireless Network Please select one of the available wireless networks, or select 'Add a Wireless Network'.		
	wcwlx wcmdev MSF_wif_public WPS-MeetingRoom WLXQAR2 MSFA-SITS	<u> </u>	_Select your WiFi network
	BigPond600A0B HDCastPro_2150988 MESCMUYXZPUB7F3K5PRIR2JK		

7 Enter the WiFi password and click Next.

Add New Embroid	eryConnect	×
	EmbroideryConnect (Tag 000025-000)	
n ter Network Info Please enter netw	rmation ork information	
Network name:	wcmdev	
Security type:	WPA2	v
User name:		
Password:	•••••	
	Show password	

8 Identify the EmbroideryConnect device and specify output options.

Add New EmbroideryConnect		×	
	EmbroideryConnect (Tag 000025-000)		
dentify EmbroideryConnect a Please name the EmbroideryC	nd Output Options Connect and set the design output options for the EmbroideryConnect.		
EmbroideryConnect name:	Тајіта	-	_Name the
Output file type:	Tajima (*.TBF)	Ŷ	device
EmbroideryConnect folder:	Root	~ ~	Specify the EmbroideryConnect
Machine brand:	Tajima		folder
Machine model:	TMBR-S1501C		
Number of heads:	1		

10

Options include:

Field	Purpose
EmbroideryConnect name	Give the device a unique name associated with the connected machine – e.g. 'Tajima #2'.
Output file type	Specify the machine file type for the selected machine – e.g. *.TBF. Design files will be converted on-the-fly to this format.
Rotate design	The design is auto-rotated 180° on the machine. If the machine is dedicated to cap designs, tick this option.
EmbroideryConnect folder	Specify the folder on the device if different to the 'root' folder. Different machines have different requirements. These equate to those for sending a design via USB stick.
Machine brand	This field is simply descriptive to help identify the machine associated with the EC device.
Machine model	This is a descriptive field.
Number of heads	This is a descriptive field.

9 Click Finish.



10 Wait to ensure the EC device has successfully connected to the network and EmbroideryHub. The blue WiFi LED will flash and then turn solid blue when it has successfully connected.



Generally connection takes about 60 seconds depending on network traffic.

K EmbroideryHub	
EmbroideryConnect	
	EmbroideryConnect device now connected to EmbroideryHub
Tajima (Tag 000025-000)	
Tajima (*.TBF)	
1 heads	
TMBR-S1501C	
1 Items + Add New EmbroideryConnect	

11 Once connected, remove the EC device from the EmbroideryHub PC and connect it to the target machine.



12 Again, ensure all lights return to 'Ready' mode. You can now send designs to this device from EmbroideryStudio.



13 Configure your other devices the same way.

	Embroid	leryConnect					Design Queue			
EmbroideryConnect Name	Device Tag	Connection Status	Storage Used (%)	Output File Type	Machine Model	# Heads	Emulation	Network Name	Firmware	e Versfor
Barudan	000026-000	Connected	0 %	Barudan FDR-3 (*.U03)	BEXT-1501	1	None Click to	o toggle	list vi	⁄ ew
								and ic	on vi	ew

Note The EmbroideryHub needs to remain active at all times in order to manage the design flow to all connected EmbroideryConnect devices.

Basic device settings

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Once your devices are set up and connected to the target machines, you can further configure or modify them at any time. There is no need to re-attach the EC device to the EmbroideryHub PC. Settings can be modified across the network. Double-click the device icon or list item in the EmbroideryConnect main window in order to access settings.

EmbroideryHub					- 0
	EmbroideryConne	Barudan			-
		Manage Designs			
0	0	Info	EmbroideryConnect name:	Barudan	
		Design Options	Device tag:	000026-000	
		Wifi Settings	Output file format	Sarudan FDR-3 (*.U03)	
		Advanced Settings			
Tajima (Tag 000001-000) Baruda Tajima (*.TBF)	an (Tag 000025-000) Barudan (*.U?7)	Delete	EmbroideryConnect folder:	Designs.fdr/	
1 heads	1 heads		Machine brand:	Barudan	
TMBR-51501C	BEXT-II1501C		Machine model:	8EXT-1501	
Double-click	device icon				
to access set	ttings		Number of heads:	1	

Device details

Access the **Info** tab to modify details provided during the EC device setup procedure. Here you can change the device name, output file type, and other details...

Manage Designs			
Info	EmbroideryConnect name:	Barudan	Edit device name, output
Design Options	Device tag:	000026-000	format, and other details
Wifi Settings	Output file format:	Barudan FDR-3 (*.U03)	
Advanced Settings	-		
Delete	EmbroideryConnect folder:	Designs.tdr/	
	Machine brand:	Barudan	
	Machine model:	BEXT-1501	
	Number of heads:	1	
	Current firmware version:	1.0.0 Update Firmware	

Design options

Access the **Design Options** tab to manage design options. All design transfers are securely encrypted across the EmbroideryConnect network. Various options are available for handling design transfers...

Info			
Design Options	Rotate design by 180° on output	~	_Set design
Wifi Settings	✓ Keep designs when powered off		transfer options
Advanced Settings	Replace designs on barcode read request		
Delete			

Design options can be modified as preferred for this EC device...

Option	Purpose
Rotate design by 180° on output	The design is auto-rotated 180° when output to machine file on a connected EC device. If the machine is dedicated for cap designs, tick this option.
Keep designs when powered off	By default designs stay on the device the whole time unless you remove them in the Manage Designs window. When unticked, designs are cleared so they can't be copied from the device.
Replace designs on barcode read request	When ticked, whenever the operator does a barcode scan to fetch a design, EmbroideryConnect will delete all existing designs on the device before transferring the scanned design. Some users only want one design on the device at any given time.
Apply to all	Click to apply the same settings to all EmbroideryConnect devices configured on the EmbroideryHub.

WiFi settings

Access the **WiFi Settings** tab to check WiFi settings. The main reason for accessing this tab is to update the WiFi network password...

Info				
Design Options	Network name:	wcmdev	v	
Wifi Settings	Security type:	WPA2	v	
Advanced Settings	User name:			
Delete	Password:			Update password as necessary

Delete EC device

Access the **Delete** tab to remove a selected EC device from EmbroideryHub.

Info	
Design Options	
Wifi Settings	Delete Embroiders/Connect Bandan (Device Tag: 000026-000)
Advanced Settings	
Delete	Deleting will remove all its information from EmbroideryHub. This action cannot be undone.
	Delete EmbroideryConnect — Delete EC device for EmbroideryHub

Advanced device settings

Access the **Advanced Settings** tab to update USB memory size settings and machine compatibility settings as needed...

Info	Manager
Design Options	
Wifi Settings	Select a memory size, or select 'Custom' to enter a required size.
Advanced Settings	O 16 MBUpdate memory
Delete	• 8 MB SIZE SETTINGS
	 2 MB Floppy (1.44 MB) Custom 1 → MB Machine compatibility:
	Emulate EmbroideryConnect to be: Update machine VE-DATA Sandisk Disable serial interface (Please enable it again before connecting the EmbroideryConnect to EmbroideryHub over USB)

Configuring EC device memory size

The default capacity of the EC device is 8MB. Most machines accept this size of USB memory stick. Some older machines require smaller sizes

such as 4MB or Floppy disk size (1.44 Mb). It can take up to 30 seconds for changes to be made.

Memory size:	
Select a memory size, or select 'Custom'	to enter a required size.
○ 32 MB	
○ 16 MB	settings according to
8 MB	machine requirements
○ 4 MB	
○ 2 MB	
 Floppy (1.44 MB) 	
Custom 1 MB	

V

Warning If you choose floppy memory mode (1.44 Mb), it may not work on newer machines.

You can confirm the change in memory size when the EC device is connected to the PC.

🥪 USB Drive (I:) Properties	5		×
General Tools Hardware	e Sharing ReadyBo	ost Customize	
			1
~			-
Type: USB Drive			
File system: FAT			
Used space:	6,144 bytes	6.00 KB	
Free space:	7,962,624 bytes	7.59 MB	
Capacity:	7,968,768 bytes	7.59 MB 🚽	
	Ο		
	Drive I:		

Disabling serial interface

By default, EmbroideryConnect devices have a USB serial interface enabled in order to configure them on the EmbroideryHub PC. It is best to leave the setting activated in case you need to reconfigure the device. However, you may need to disable it if the embroidery machine has an issue with both WiFi connection and serial interface being activated at the same time. The machine may lock up and display a unexpected message when the device is connected.

Machine compatibility:	
Emulate EmbroideryConnect to be:	
YE-DATA	
Sandisk Disable seri	al interface
Disable serial interface (Please enable it again before connecting the EmbroideryConnect to EmbroideryHub oif there are after setup	problems

Tick the **Disable serial interface** function and click **OK**. You will receive the following warning...

Confirm		×
Disabling serial improves machine compatibil to enable it again before connecting the Emb over USB. Are you sure you want to continue	lity but you must rei broideryConnect to ?	nember ECMC
[Yes	No

Ø

Note If you turn off the serial interface and subsequently lose WiFi connection to the EC device, the only way to reconfigure it is to perform a 'hard reset'. See Troubleshooting EmbroideryConnect for details.

Emulating other devices

EmbroideryConnect can emulate other types of device. Some machines can only read designs from YE-DATA or Sandisk. For example, Tajima TEJT-II-C embroidery machines require these types of device. EmbroideryConnect can be set to emulate them.

achine compatibility:	
Emulate EmbroideryConnect to be:	Emulate other devices
YE-DATA	according to machine
Sandisk	compatibility requirements

Configuring sub-folders for Barudan machines

Sometimes you may need to specify a folder on the device which is different to the 'root'. Different machines have different requirements. For example, 'MyDesign.fdr/'. These are the same as requirements for

sending a design via a USB stick. Make sure you include a 'slash' (/) at the end.

Manage Designs			
Info	EmbroideryConnect name:	Barudan	
Design Options	Device tag:	000026-000	
Wifi Settings	Output file format:	Barudan FDR-3 (*.U03)	
Advanced Settings			
	EmbroideryConnect folder:	Root	Specify the EC
Delete		Root	tolder on device
	Machine brand:	Designs.tfd/	
		Designs.fdr/	
	Machine model:	EMB/embf/	

If the EC device will be used with a Barudan machine, a special sub-folder must be configured. Barudan machines will not read designs from the root folder of any USB stick. You can edit the folder structure on the EC device whenever necessary.

Adjusting proxy settings

To access proxy server settings, click the 'cog' button in the lower right corner of the main screen. The default proxy settings are the ones set in the Windows **Internet Options** dialog. Keep ticked for most situations.

KmbroideryHub			- 🗆 X
Em	broideryConnect	(Design Queue
	Advanced Settings Network adapter: Default Proxy server	×	≣
	Use default proxy settings	Port: 80	Access proxy server settings
0 Items Add New EmbroideryConnect	ОК	Cancel	<i></i>

If you are using two networks with different proxy requirements, this is likely to cause issues – 504 errors from the devices. You will need to untick the default settings and use the other controls to specify the proxy configuration for the EmbroideryConnect network.

The network adapter should be left on default most of the time. It's only needed when there are multiple adapters connected to two different networks **and** there are device connectivity issues. If you have two adapters and find that the devices consistently switch from 'Connected'

to 'Disconnected', select the adapter connected to the EmbroideryConnect network. EmbroideryHub should also be restarted.

Sending designs to EmbroideryConnect

Once you have set up one or more EmbroideryConnect devices on your EmbroideryConnect network, you have the choice of 'pushing' designs to a named device or sending them to a queue where they can be 'pulled' from the machine itself. You can use any PC running EmbroideryStudio on your local WiFi network.

Send designs to EmbroideryConnect device

Use Standard > Send to EmbroideryConnect to send the current design to a named EmbroideryConnect device.

Open EmbroideryStudio and load the design or designs you want to send to EmbroideryConnect.

To send a design to an EmbroideryConnect device

 Select a design tab and click the Send to EmbroideryConnect icon. The dialog will show a list of named devices connected to the network.

end to EmbroideryConnect			×	
Design name: e4-1018			Save As	
EmbroideryConnect Name	Device Tag	Space Available		Chasse professes
Tajima	000025-000	31.57MB	-	_ Choose preferred
Barudan	000026-000	31.69MB		
election: Tajima (Tag 000025-000)			

 Choose your preferred device and click OK. The design will be automatically converted to the corresponding machine file and sent to the EC device where it can be loaded into machine memory for stitching.

Sending Design
Sending design 'e4-1018' to EmbroideryConnect 'Tajima' (Tag 000025-000) This may take a while. Please wait.

 Repeat for all designs you want to send to named devices connected to the network.

Send designs to EmbroideryConnect design queue

Use Standard > Queue Design to send the current design to the EmbroideryConnect design queue where they can be 'pulled' from the machine.

Open EmbroideryStudio and load the design or designs you want to send to EmbroideryHub.



To send a design to the EmbroideryConnect design queue

 Click a design tab and click the Queue Design icon. A confirmation message will appear indicating that the design is in the queue.



 An error check prevents you from sending multiples of the same design to the queue.



- Repeat for all designs you want to queue up in preparation for production.
- On the machine itself, 'pull' designs to the EmbroideryConnect device by means of a barcode reader attached to the USB port.
- Run the reader over the barcode printed on the production worksheet. The relevant design will be pulled from design queue to the EC device. Here it can be loaded into machine memory for production.



View & manage designs on EmbroideryHub

On the EmbroideryHub, you can view and manage designs sent both to particular machines as well as to the design queue.

To view and manage designs on EmbroideryHub

• Open EmbroideryHub on the EmbroideryHub PC.

Manage de chose	signs for the n EC device			Manage EmbroideryHub /	designs in the design queue
	Embro	oideryConnect		/	Design Queue
_					
	Barudan				-
ن ک	Manage Designs				
	Info	EmbroideryConnect name:	Barudan		
	Design Options	Device tag:	000026-000		
Tajima (Tag 00	Wifi Settings	Output Els format	Parudan EDP 2 (*110	2)	
Tajima (*.)	Advanced Settings	Output file format:	barddain Dic-5 (.00	0)	
TMBR-S15	Delete	EmbroideryConnect folder:	Designs.fdr/		
		Machine brand:	Barudan		
		Machine model:	BEXT-1501		
		Number of heads:	1		

 Click the **Design Queue** tab to view queued designs in EmbroideryHub. Here you can delete designs as necessary.

	EmbroideryConne	ct			Design Que	æ	
Delete designs from	queue on barcode read request					Select All	Delete
Name	Date Modified	Type		Size			
Feathers.EMB	10/30/2019 12:38:38 PM	EMB File	65.5 KB				
Butterfly2.EMB	10/30/2019 12:38:38 PM	EMB File	568.8 KB	Do	loto dociano	from the	
Bird of Peace.EMB	10/30/2019 12:38:38 PM	EMB File	91.6 KB	<u>-</u> De	elete designs	nom me	
Baby Seal.emb	10/30/2019 12:38:38 PM	EMB File	54.8 KB	au	eue as neces	ssarv	
Fluffy Bird.EMB	10/30/2019 12:38:38 PM	EMB File	71.2 KB				

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 If you want to view designs sent to the chosen EC device, click the Manage Designs button on the device settings dialog.

Manage Designs	Manage designed and the designed at the design of the desi	gns currently vice
Info	EmbroideryConnect name:	Barudan
Design Options	Device tag:	000026-000
Wifi Settings	Output file format:	Barudan FDR-3 (*.U03)
Advanced Settings		
Delete	EmbroideryConnect folder:	Designs.fdr/
	Machine brand:	Barudan
	Machine model:	BEXT-1501

 A list of designs pending production on the target machine is displayed. Here you create new folders, and rename or delete designs as preferred.

Manage Designs -	Barudan				
Refresh	Select All	New Folder	Rename	Delete	
Name	Da	te Modified	Туре	Size	
Designs.fdr	2/13/2020 8:	33:24 AM	Folder		
asdasd.PES	2/12/2020 12	:29:36 PM	PES File		1.8 KB
Design2222.PES	2/12/2020 12	:09:28 PM	PES File		3.5 KB
Design22221.PES	2/12/2020 12	:09:58 PM	PES File		3.5 KB
Kid's Hat.PES	2/11/2020 12	:32:26 PM	PES File		18 KB

Troubleshooting EmbroideryConnect

If experiencing problems using the EmbroideryConnect device, double check that it connects to the WiFi and EmbroideryHub correctly.

- The Power and WiFi LEDs on the EC device will be both on and solid if connected.
- If they flash briefly and then fade out, the EC device is not connected.

If a mistake lies in the configuration settings, simply start again and double-check the settings.

Reset the device

If you turn off the serial interface and subsequently lose WiFi connection to the EC device, the only way to reconfigure it is to perform a 'hard reset'. Power up the device and insert a hairpin into the **Reset** aperture on the side. It must be connected to the EmbroideryHub PC during this operation. Hold it for 10 seconds. This restores it to its factory settings. The EC device must then be reconfigured using EmbroideryHub.



Tip If this doesn't solve the problem, go to the Help & Support site and check for updates.

Glossary

Connection Manager: A software feature to allow the sending of files to shared folders.

Control panel: The panel on an embroidery machine by which the operator sets up the machine for embroidery production.

Design file: Design files, also known as 'outline' or 'condensed' files, are high-level formats which contain object outlines, object properties and stitch data. Examples include CND, GNC, INP and PCH. When you open an outline file in EmbroideryStudio, corresponding stitch types, input methods and effects are applied. Outline files can be scaled, transformed and reshaped without affecting stitch density or quality.

EmbroideryConnect WiFi

device: Wilcom-supplied device to enable connection of USB-enabled embroidery machines to an EmbroideryConnect machine network via a WiFi router.

LAN: Local Area Network – a wired network of interconnected PCs and other network enabled devices such as printers.

Machine file: Machine or 'stitch' files are low-level formats for direct use by embroidery machines. They contain only stitch coordinates and machine functions. Machine files are generally not suited to scaling because stitches are not regenerated during rescaling. See also Design file.

Machine format: Different embroidery machines understand different languages. They have their own control commands for the various machine functions. Before you can stitch a design, it must be in a format which can be understood by the target machine. Common formats include Barudan, Brother, Fortran, Happy, Marco, Meistergram, Melco, Pfaff, Stellar, Tajima, Toyota, Ultramatic and ZSK.

Network file server: A PC on a network which is used to serve files up for use by other PCs on the network.

Network folder location:

The logical location of a folder on a network. Contains the PC name together with the folder name – e.g. \\My PC\EmbroideryMachine1.

USB-capable embroidery

machine: An embroidery machine which has a standard USB port built into the machine or machine control panel.

USB converter: A device which converts a standard serial connection port to a USB type A connection.

USB memory stick:

Standard USB memory stick or simply 'USB stick' used for storing and transporting files.

USB port: Universal Serial Bus Connector – a connection on a computer where you plug in the dongle.

WiFi device: Device capable of connecting to a WiFi Router or wireless access point.

WiFi network name

(SSID): Service Set Identifier (SSID) – the unique identifier attached to the information which is sent over a wireless local area network.

WiFi password (key):

Password, passphrase or key (depending on the WiFi security type) that allows connection to the WiFi router or access point.

WiFi router: Device that provides basic network infrastructure for a home or small office network. Provides a wireless access point for many wireless devices to connect to each other for access to the Internet as well as for file sharing and printing. Sometimes referred to simply as a Wireless Router.

WiFi USB machine

network: A network of wirelessly connected, USB enabled embroidery machines and PCs.

Windows domain: a

network of Windows PCs, also known as 'network domain', in which computers rely on a centralized authentication database. Users log into the domain and the access privileges are served from the central database which is controlled by a network administrator.

Windows workgroup:

'Workgroup' is Microsoft's term for a peer-to-peer local area network. Computers running Microsoft operating systems in the same workgroup may share files, printers, or Internet connection.

Wireless Access Point

(WAP): A wireless access point or 'WAP' is a hardware device on a local area network (LAN) that allows wireless capable devices and wired networks to connect.

WLAN: Wireless Local Area Network or WiFi network.