

## This guide explains which Tangent panels are supported with Assimilate SCRATCH and how to enable them.

## Supported with SCRATCH are these panels from Tangent:

- Tangent Element (unlimited number of panels)
- Tangent element-Vs Android and iOS app
- Tangent Ripple
- Tangent Wave / Wave2
- Tangent CP200



## Enabling the Tangent Wave, Ripple and Element (-Vs) panels in SCRATCH:

- Make sure to install the latest version of the Tangent Mapper from http://www.tangentwave.co.uk/support.asp
- Open the Mapper app and go to 'File' → 'Panel configuration'. Click 'Edit" in the lower right corner and make sure the Element panels are the first panels listed, before any other panel in the list like in this screenshot:

Element-Tk Element-Mf Element-Kb Element-Bt Ripple	Type: Ripple Panel Number: 1 Serial Number: 123123123
Wave	

- Startup SCRATCH
- Go to System Settings → Panel Setup Tab
- Enable the corresponding panel from the list
- Optionally, click "Overwrite Mappings" if you want to overwrite any previously setup user-defined mapping (not needed if this is the first time you setup a panel with SCRATCH)
- Click "OK" and restart SCRATCH
- A video tutorial for customizing your panel mapping can be found here: <u>https://vimeo.com/125780991</u>

System Settings									×
General	Panel Setup	For	mats	Aspects	Metadata	Notes	Custom Commands	Advanced	
Panel			Mode	Title:		Tangent Wave / Wave2			
Tangent Element			Off	Enabled:		Enabled	1		
Tangent Ripple			Off			Reset			
Tangent Wave / Wa	we2		On						
Avid Artist Color			Off			Overwrite Mappings			
Tangent CP200-BK			Off						
Tangent CP200-TS			Off						
Tangent CP200-K			Off						
Tangent CP200-S			Off						
Tangent Wave			Off						
						ОК		Cancel	

## Enabling the Tangent CP200 panels in SCRATCH:

First, make sure the hardware connection is properly established.
 It is not recommended to add the panels to the house-network.
 We recommend a setup using the second Ethernet-port of your workstation with a network just for the panels.



- Next, go to Control Panel → Network and Internet → Network connections



- Rightclick the corresponding network adapter and click "Properties"
- Inside the pop-up window, select "Internet Protocol Version 4 (TCP/IPv4)" and click "Properties" below that selection list.

Shanng	8	General	
Connect using:		You can get IP settings assigned	automatically if your network supports
Marvell Yukon 88E8056 PCI-E Gigabit Eth	ernet Controller	this capability. Otherwise, you n for the appropriate IP settings.	eed to ask your network administrator
This connection uses the following items:	Configure	Obtain an IP address auton	natically
	127	<ul> <li>Output to the following IP address</li> </ul>	s:
<ul> <li>Client for Microsoft Networks</li> <li>VirtualBox NDIS6 Bridged Networking D</li> </ul>	Driver	IP address:	192.168.10.2
Virtual PC Network Filter Driver		Subnet mask:	255 . 255 . 255 . 0
QoS Packet Scheduler			
🗹 📇 File and Printer Sharing for Microsoft Net	tworks	Default gateway:	192.168.10.2
Internet Protocol Version 6 (TCP/IPv6)			
<ul> <li>✓ ▲ Internet Protocol Version 6 (TCP/IPv6)</li> <li>✓ ▲ Internet Protocol Version 4 (TCP/IPv4)</li> </ul>	•	Obtain DNS server address	automatically
✓ Internet Protocol Version 6 (TCP/IPv6)     ✓ Internet Protocol Version 4 (TCP/IPv4)     ✓     ✓	•	<ul> <li>Obtain DNS server address</li> <li>Ouse the following DNS server</li> </ul>	automatically er addresses:
Internet Protocol Version 6 (TCP/IPv6)     Internet Protocol Version 4 (TCP/IPv4)     Internet Protocol Version 4 (TCP/IPv4)     Install	Properties	<ul> <li>Obtain DNS server address</li> <li>Use the following DNS server</li> <li>Preferred DNS server:</li> </ul>	automatically er addresses:
Internet Protocol Version 6 (TCP/IPv6)     Internet Protocol Version 4 (TCP/IPv4)     Internet Protocol Version 4 (TCP/IPv4)	Properties	<ul> <li>Obtain DNS server address</li> <li>Use the following DNS server</li> <li>Preferred DNS server:</li> <li>Alternate DNS server:</li> </ul>	automatically er addresses:

Next, fill in the information like in the screenshot above.
 Make sure to setup an own subnet for the panels (e.g. 192.168.10.x) and that IP-address and default gateway are the same.

 Next, click on "Advanced..."
 In this window make sure to setup the "Interface metric" from "Automatic" to "1".

P Settings DNS WINS						
IP addresses						
IP address	Subnet mask					
192.168.10.2	255.255.255.0	255.255.255.0				
	Euron					
Default gateways:						
Gateway	Metric					
192.168.10.2	Automatic					
	Add Edit	Remove				
Automatic metric						
Interface metric: 1						

- Now click OK and exit all network configuration windows
- Reboot your workstation once to make sure network settings are applied
- Startup SCRATCH
- Go to System Settings → Panel Setup Tab
- If you're just running the CP200-BK panel alone, just enable the BK-panel
- If you're running any other configuration with 2, 3 or 4 CP200-panels, please in all cases enable those as well in this window.

Preferences								x	
Panel Setup	Formats	Aspects		s Metadata		Custom Commands		vanced	
Panel		Mode	Mode Title:		Tangent CP200-BK				
Tangent Element		Off	Enabled:		Enabled				
Tangent Ripple		Off	Serial Nur	mber:	1234				
Tangent Wave		Off	DHCP:		Off				
Avid Artist Color		Off	IP Addres	s:	192.168.1	0.3			
Tangent CP200-BK		On	Netmask:		255.255.2	55.0			
Tangent CP200-TS		On	Gateway:		192.168.1	0.2			
Tangent CP200-K		On	Port:			33106			
Tangent CP200-S		On			Reset				
					Overwrite	Mappings			
						ОК	Ca	ncel	

- Then for each activated panel, fill in the serial number.
   This serial number is presented on each panel's display upon power-up.
   It is **NOT** the serial-number on the sticker on the back of the panel!
- Fill in an individual IP address for each panel e.g. if your workstation has the IP 192.168.10.2, your CP200-BK panel gets 192.168.10.3, the CP200-TS panel gets 192.168.10.4 and so on.
- Make sure that subnet mask and gateway are the same as we configured on the Windows network adapter.
- Optionally, click "Overwrite Mappings" on any of the four activated panels, if you want to overwrite any previously setup user defined mapping.
   This is not needed if this is the first time you setup a panel with SCRATCH.
- Click "OK" and restart SCRATCH
- A video tutorial for customizing your panel mapping can be found here: <u>https://vimeo.com/125780991</u>

For more information, see the Assimilate support-site: http://www.assimilatesupport.com/akb/KnowledgebaseArticle50790.aspx