Comtrend PRT-6301 | PRT-6301v2 | PRT-6302 Router Topics

Configuring Pinholes/Port Forwarding Enabling WIFI (wireless) / Changing SSID/Passphrase Weak Security Concerns (wireless) For New Devices (Apple Products)

Configuring Pinholes/Port Forwarding

- 1) From a web browser, go to "http://192.168.1.1". Login with the username "admin" and the password "seiadmin".
- 2) Click the "Basic Setup" link on the top menu bar.



3) Click on the "NAT" link on the left.

🎲 Broadband Router	× +				
\leftarrow \rightarrow C \textcircled{a}	× 0	8 192.168.1.1			
COMT	REND				
M		Q.	₹¥		
Device Info	Basic Setup	Advanced Setup	Diagnostics	Mana	ge
WAN Setup				L	
NAT Wireless					
LAN WifiXtend2.0			Down ETH1	Down ETH2	
AutoXtend			LAN IPv4 Address	ş	1
Parental Control			LAN Subnet Mask		2
Home Networking			LAN MAC Address	3	a
			DHCP Server		E
				Wire	ele
				O ACUS Tot	tout

4) Click on the "Add" button.

Broadband Router	× +							
\leftrightarrow \rightarrow C \textcircled{a}	*	0 8	192.168.1.1					
COMTR	RENI	D						
M	9		Ö	B			÷	
Device Info	Basic Setu	q	Advanced Setup	Diagnostics	Managem	ent Lo	ogout	
WAN Setup NAT Virtual Servers Port Triagering	Vir	AT Virt rtual Serv ed by the	tual Servers Setup er allows you to direct incomin server on the LAN side. A may	g traffic from WAN side (ii imum 32 entries can be ci	dentified by Protocol an onfigured.	d External port) to th	e Internal se	rver with private IP address
DMZ Host ALG/Pass-Through				Server Name	External Port Start	External Port End	Protocol	Internal Port Start Int
Wireless LAN								
WifiXtend2.0 AutoXtend								
Parental Control Home Networking								

5) Check if the setup you need is in the pre-configured list under "Select a Service".

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	🎯 Broadband Router 🛛 🗙	+			
COMPTREEND Image: province intervent of the server of adverse and elect "Apply Save" is forward P packets for this server adverse and elect "Apply Save" is forward P packets for this server adverse and elect "Apply Save" is forward P packets for this server adverse and elect "Apply Save" is forward P packets for this server adverse and elect "Apply Save" is forward P packets for this server adverse and elect "Apply Save" is forward P packets for this server adverse and elect "Apply Save" is forward P packets for this server adverse and elect "Apply Save" is forward P packets for this server adverse as "Interval P or the" server P adverse and elect "Apply Save" is forward P packets for this server adverse as "Interval P or the" server P adverse and elect "Apply Save" is forward P packets for this server adverse as "Interval P or the" server P adverse and elect "Apply Save" is forward P packets for this server adverse as "Interval P or the" server P adverse and elect "Apply Save" is forward P packets for this server adverse as "Interval P or the" server P adverse and elect "Interval P or the" server P adverse and elect the server P adverse and elect "Apply Save" is forward P packets for this server adverse as "Interval P or the" server P adverse and elect the serverse elect elect elect elect elect elect elect e	$\leftarrow \rightarrow$ C \textcircled{a}	🐼 🔿 👌 192.168.1	.1		
WAN Setup National Servers Port Triggering Data Servers Port Triggering Data Setup Winktsendz.o. AutoXtend Parental Control Brane Networking	CONTRI				
Image: Device Info Image: De	JOMIKI				
Winip Step Norman Setup Nation Setup					
Device Info Basic Setup Advanced Setup Diagnostics Management Logout WAN Setup NAT Virtual Servers Port Triggering DMZ Host ALG/Pass-Through Wireless LAN WifiXtend2.0 AutoXtend Parental Control Home Networking Management Logout Management Logout Management Logout NAT Virtual Servers Port Triggering DMZ Host ALG/Pass-Through Wireless LAN AutoXtend Parental Control Home Networking					
Device Info Basic Setup Advanced Setup Diagnostics Management Logout WAN Setup NAT NAT Virtual Servers Select the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. Ender the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. Ender the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. Ender the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. Ender the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. Ender the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. Ender the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. Ender the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. Ender the service name, and enter the server IP address II activity in the service in the server. Ender the service name, and enter the service configured: 32 WiffiXtend2.0 AutoXtend Server IP Address: 192.168.1. Parental Control Home Networking TCP v TCP v TCP v		~ ^			
WAN Setup NAT NAT Virtual Servers Port Triggering DMZ Host ALG/Pass-Through All Interface Wireless Select a Service: LAN Select a Service: Server IP Address: 192.168.1. WiftXtend2.0 AutoXtend Parental Control TCP Home Networking TCP	Device Info Ba	sic Setup Advan	ced Setup Diagnosti	cs Management	Logout
WAN Setup NAT Virtual Servers NAT Select the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server. End". However, if you modify "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port End" will be set to the same value as "Internal Port End" will be set to the same value as "Internal Port End" will be set to the same value as "Internal Port End" will be set to the same value as "Internal Port End" will be set to the same value as "Internal Port End" will be set to the same value as "Internal Port End" will be set to the same va					
NAT Select the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the spacefield server. End". However, if you modify "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start", then "Internal Port End" Protocol Internal Port Start Internal Port End	WAN Setup	NAT Virtual Server	5		
Virtual Servers Port Triggering DMZ Host ALG/Pass-Through Wireless LAN Service Name: Qustom Service: Service IP Address: 192.168.1.	NAT	Select the service name	e, and enter the server IP address and	click "Apply/Save" to forward IP packet	s for this service to the specified server. NOTE:
Port Triggering DMZ Host ALG/Pass-Through Wireless LAN Server IP Address: 192.168.1.	Virtual Servers	Remaining number of	f entries that can be configured:3	2	the same value as internal port start .
DMZ Host Service Name: ALG/Pass-Through Service Name: Wireless Custom Service: LAN Server IP Address: WifiXtend2.0 Server IP Address: AutoXtend External Port StartExternal Port End Parental Control TCP v Home Networking TCP v	Port Triggering	Use Interface	All Interface		
ALG/Pass-Through Select a Service: Select One Custom Service: Custom Service: Custom Service: Server IP Address: 192.168.1. Apply/Sav AutoXtend Parental Control Home Networking TCP 	DMZ Host	Service Name:			
Wireless O Custom Service: LAN Server IP Address: 192.168.1. WifiXtend2.0 AutoXtend Parental Control Home Networking TCP ~	ALG/Pass-Through	Select a Service:	Select One	~	
LAN Server IP Address: 192.168.1. WifiXtend2.0 AutoXtend Parental Control Home Networking External Port StartExternal Port End TCP TCP	Wireless	O Custom Service:			
WifiXtend2.0 AutoXtend Apply/Sat Parental Control External Port StartExternal Port End Protocol Internal Port StartEnternal Port End Home Networking TCP Internal Port StartEnternal Port End TCP	LAN	Server IP Address:	192.168.1.		
AutoXtend Apply/Sat Parental Control External Port StartExternal Port End Protocol Internal Port StartEnternal Port End Home Networking TCP Internal Port StartEnternal Port End TCP	WifiXtend2.0				
Parental Control External Port Start[External Port End Protocol Internal Port Start[Internal Port End Home Networking TCP TCP	AutoXtend				Apply/Save
Home Networking	Parental Control	External Port Start	xternal Port End Protocol	Internal Port Start Internal Port En	d
ТСР –	Home Networking		TCP V		
			TCP v		1

6) If not, create your own. As an example, here we are adding a Test service that will forward traffic going from the internet to the router on ports 2020-2025 to a device on the network with the IP address of 192.168.1.23 on port 22. Once you have added your desired port forwards, click "Apply/Save" at the bottom of the page.

🎯 Broadband Router >	+								
← → C @	\$ 7) 👌 192.168.	1.1						
COMTR	REND			C	•				
M		asic Setup		R	5			S	
Device Info	Basic Setu	p Advan	icea Setup	Diagnosi	ics	manageme	nt	Logout	
WAN Setup NAT Virtual Servers Port Triggering DMZ Host ALG/Pass-Through Wireless LAN	NAT Sele End Ren Use Serv O O O	Virtual Serve ct the service nam *. However, if yc naining number of Interface ice Name: Select a Service Custom Service erver IP Address:	All Interface Select One 192.168.1.23	erver IP address an nal Port Start", th in be configured:	d click "App en "Intern 32	y/Save" to forward II al Port End" will be	P packets f e set to th	for this service to the s he same value as "In	pecified server. NOTE: The "Internal ternal Port Start".
WifiXtend2.0									(Analy/Para)
AutoXtend	· · · · · · · · · · · · · · · · · · ·	-							Appiy/save
Parental Control	Exte	ernal Port Start	External Port End	d Protocol	Internal I	Port Start Internal	Port End		
Home Networking	202	20	2025	TCP ~	2020	2025			
				TCP v					
			3	TCP v					
				TCP v					
				TCP v					
							-		

7) You are now done.

P

ect incoming traffic from WAN side (identified by Protocol and External port) to the Internal server with private IP address on the LAN side. The Internal port is required only if the external port needs to be converted to side. A maximum 32 entries can be configured.

	(Add) (Remove)							
Server Name	External Port Start	External Port End	Protocol	Internal Port Start	Internal Port End	Server IP Address	WAN Interface	Remove
Test	2020	2025	TCP	2020	2025	192.168.1.23	All Interfaces	

Back to the Top

Configuring WIFI/Wireless

You have your choice of one of two ways to enable the wireless access point in your SEI provided Comtrend PRT-6301:

- A) Easy way by pressing a button and using preset defaults.
- B) Personalized approach (you can set your own SSID & security).

Easy setup:

1) On the back of your router, there is are two small round button labeled 2.4GHz WIFI ON/OFF & WPS and 5GHz WIFI ON/OFF & WPS. Press and hold the 2.4GHz button for approximately 20 seconds and release. Within a few seconds, the 2.4GHz WIFI LED will turn on. Repeat the same process for the 5GHz WIFI if needed.

2) On your WIFI capable devices, you will then connect to the SSID "ComtrendXXXX_2.4GHz" or "ComtrendXXXX_5GHz" where XXXX are the last 4 characters (in capital letters) of your modems MAC address. There is a sticker on the bottom of your modem with this MAC address.

3) Security is enabled by default using WPA2. The WPA2 encryption key/passphrase is located on the bottom of the router under WIFI Key. Please note that the WIFI Key is case sensitive.

Personalized setup:

1) From a web browser, go to "http://192.168.1.1". Login with the username "admin" and the password "seiadmin".

2) Click the Basic Setup link on the top menu bar.

Broadband Router	× +						
\leftrightarrow \supset \bigcirc	Ø 9	8 192.168.1.1					
COMT	REND		-				
M		Ö	Ś			*	
Device Info	Basic Setup	Advanced Setup	Diagnostics	Mana	agement	Logout	
WAN Setup				L	AN		
NAT Wireless							
LAN WifiXtend2.0			Down ETH1	Down ETH2	Down ETH3	1000 FD	
AutoXtend			LAN IPv4 Addres	s	192.168.1.1		WAN Interface
Parental Control			LAN Subnet Masl	¢.	255.255.255	i.0	Link Type
Home Networking			LAN MAC Addres	s	a0:18:42:	(1423)	Link Status
find free free free free free free free fre			DHCP Server		Enabled		
				Wir	eless		
				2.4GHz In	terface		
			Driver Version		17.10.99.27		Connection Typ
			Primary SSID		Comtrend	_2.4GHz	PPP Username

3) Click on "Wireless" on the left side. Select 2.4GHz or 5GHz interface using the drop down box next to "Wireless Interface". To enable either radio, make sure that "BSS Enabled" is set to "Enabled". Please note that you must click the "Apply" button before changing the Wireless Interface or your changes will be lost. You may also change the SSID of the router by changing the name under "Network Name (SSID) line. For best results, make sure that 2.4GHz and 5GHz SSIDs are not the same. Again, you must apply each change before changing the Wireless Interface.



4) Click on the "Security" link on the left. Select 2.4GHz or 5GHz interface using the drop down box next to "Wireless Interface". You can change your encryption passphrase/key here, or you can view the current one as well. If you change it, be sure to click the "Apply/Save" button before changing the "Wireless Interface". The default passphrase/key is on the sticker located on the bottom of the router labeled WIFI Key. Please note that this key is case sensitive.

🎯 Broadband Router	× +							
\leftarrow \rightarrow C \textcircled{a}	× 0	8 192.168.1.1						
COMTI	REND							
Ar-		Ö	E		*			
Device Info	Basic Setup	Advanced Setup	Diagnostics	Management	Logout			
WAN Setup NAT	SECURITY This page allow	ws you to configure security	y for the wireless LA	N interfaces.				
Wireless SSID	Wireless Inte	erface:		ComtrendBE38_2.4GH	Hz(A0:18:42:09:BE:39) V Select			
Security	802.11 Auth	entication:		Open 🗸				
LAN	802.1X Auth	entication:		Disabled v				
WifiXtend2.0	WPA:			Disabled V				
AutoXtend	WPA-PSK:			Disabled V				
Parental Control	WPA2:			Disabled V				
Home Networking	WPA2-PSK:			Enabled V				
	WPA3-SAE:			Disabled V				
	WPA Encryp	otion:		AES V				
	RADIUS Ser	rver:		0.0.0.0				
	RADIUS Por	rt:		1812				
	RADIUS Key	y:						
	WPA passph	hrase:		•••••	Click here to display			
	Protected M	anagement Frames:		Capable ~				
				-				

Back to the Top

- Weak Security Concerns (wireless) For New Devices (Apple Products)
 1) From a web browser, go to "http://192.168.1.1". Login with the username "admin" and the password "seiadmin".
 2) Click the "Advance Setup" link on the top menu bar.

🗖 🛛 🎲 Broadband Rou	uter × +					_		×
$\leftarrow \rightarrow $ G	A Not secure 192.16	8.1.1	\mathcal{P}	A) 20	เ∕็≡	Ē		
COMTR Device Info	END	Setup I	Diagnostics	Manag	ement	Lo	o gout	,
Summary		De	evice					L
WAN	Model	PRT-6301						
Statistics	Board ID	63177MR-1	851AX2				Ļ	لر
Route	Serial Number	2195954UX	CXF-AN003252			Down	Do	wn
ARP	Firmware Version	CQ11-5025	EI-C05_R02			ETH1	ET	H2
DHCP	Bootloader (CFE)	1.0.38-163.	.243-1		LAN	IPv4 Add	ress	
NAT Session	Un Time	1 mins:2 se	205	_	LAN	Subnet M	lask	
IGMP Info	Date/Time	Date/Time Mon Jul 18 19:22:43 2022		-	LAN	MAC Add	ress	
CPU & Memory		DHCP Server						
Network Map		Wirele	SS					
Wireless		2.4GHz Interface						
Topology	Driver Version	17	7.10.157.2803					
	Primary SSID	Ca	omtrendC568_2.4GF	Iz				

3) Click on the "Wireless" link on the left.



4) Click on the "Security" link on the left under "Wireless".

	🎲 Bro	oadband	Route	r	×	+						-		×
\leftarrow	\rightarrow	С	4	Not se	cure	192.168.1	.1	P	A	٢ò	হ^≡	Ē		
			RI		, ,	5	6	6	3				2	
Devi	ice Info	b Bas	sic Se	etup 🗚	dvance	ed Setup	Diag	nost	ics	Man	agemer	nt	Logou	ıt
Secur Qualit	ity ty of Se	ervice		SECURI This page	TY allows y	ou to config	ure secu	urity fo	or the v	vireless	LAN inte	rfaces.		
Routi DNS	ng			Wireles	s Interfac	ce: C	Comtren	dC56	68_2.4	4GHz(/	40:18:42	:09:C5:6	69) ~ (Select
Inter IP Tu	face Gr nnel	ouping		WPA: WPA-P	SK:						Disa Disa	abled 🗸 abled 🗸		
Certif Multic	icate cast			WPA2: Disabled V WPA2-PSK: Enabled V										
Wirel SSIE	ess)			WPA3-SAE: Disabled V WPA3: Disabled V OWE: Disabled V										
Secu WPS	irity S			DPP: Disabled VPA2 Preauthentication: Disabled V										
MAC	Filteri	ng		WPA3-	SuiteB:						Disa	abled 🗸		

5) Select 2.4GHz band beside the "Wireless Interface". From this step to step 7 repeat the same process for 5GHz band selection.



6) Then change the "WPA3-SAE" section from Disabled to Enabled.

🌍 Broadband Rout	iter × +	-	
$\leftarrow \ \rightarrow \ G$	○ २ or 192.168.1.1	53	⊚ ≡
COMTR			
Device Info	Basic Setup Advanced Setup Diagnostics Management	Logout	
Security Quality of Service	SECURITY This page allows you to configure security for the wireless LAN interfaces.		
Routing DNS	Wireless Interface: ComtrendC568_2.4GHz(Al	0:18:42:09:C5:69) v Select
Interface Grouping	WPA: Disabled V		
IP Tunnel	WPA-PSK: Disabled V		
Certificate	WPA2: Disabled V		
Multicast	WPA2-PSK: Enabled V		
Wireless	WPA3-SAE: Enabled V		
Socurity	WPA3: Enabled		
WPS	OWE: Disabled		
MAC Filtering	DPP:		
WDS	WPA2 Preauthentication:		
Advanced	WPA3-SuiteB: Disabled V		
WifiXtend2.0	WPA Encountion:		

7) Finally click on apply at the bottom, and you are done!

Security	SECURITY	
Quality of Service	This page allows you to configure security for the	e wireless LAN interfaces.
Routing DNS	Wireless Interface:	ComtrendC568_2.4GHz(A0:18:42:09:C5:69)
Interface Grouping	WPA:	Disabled V
IP Tunnel	WPA-PSK:	Disabled V
Certificate	WPA2:	Disabled V
Multicast	WPA2-PSK:	Enabled V
Wireless	WPA3-SAE:	Enabled >
SSID	WPA3:	Disabled ×
Security	OWE	Disabled ×
WPS	DPP ⁻	Disabled ×
MAC Filtering	WPA2 Preauthentication	
WDS	WPA3-SuiteB'	
Advanced	WINS-GUILED.	Uisabled +
WifiXtend2.0	WPA Encryption:	AES V
AutoXtend	D10110.0	
	RADIUS Server:	0.0.0.0
	RADIUS Port:	1812
	RADIUS Key:	••••
	WPA passphrase:	Click here to display
	Protected Management Frames:	Capable 🗸
	Network Key Rotation Interval:	0
	Pairwise Key Rotation Interval:	0
	Network Re-auth Interval:	36000
		Apply Cancel



It is worth mentioning that devices won't see the change until:

A) Disconnecting and reconnecting the device to the PRT-6301.

B) Simply turning the WiFi off and on will do the trick (on your device).

Back to the Top

Internet Tech Support Available 24x7 800-925-6746 | 812-574-8800 | 812-667-8800 812-744-8800 | 812-839-8800 | 812-873-8800

Cellular Technical Support Monday through Friday ~ 8:00am to 4:30pm 888-200-8077

©2019 SEI Communications. All Rights Reserved. Legal, Privacy, and Security Notices.