# Configuration of Netgear RangeMax Next Wireless-N Router Gigabit Edition WNR854T

#### **General Description**

The Netgear RangeMax Next Wireless-N Router Gigabit Edition WNR854T is an inexpensive wireless router.

The instructions below are based on using the Netgear RangeMax Next Wireless-N Router Gigabit Edition WNR854T in its factory default configuration as if buying it new from the store.

## Installing the router

Follow the steps provided by Netgear to install the router and access the web interface used to configure the router. If you do not have the instructions, you can find them on the Netgear site. The following link leads to a Installation Guide PDF.

Link: <a href="http://downloads.netgear.com/files/wnr854t\_install\_24mar06.pdf">http://downloads.netgear.com/files/wnr854t\_install\_24mar06.pdf</a>

Note: Its important that you follow the install instructions regarding the order devices are turned on.

## **Configuring the router**

Following screenshots show the settings that should work with Virtual PBX VoIP phones. Content filtering and Maintenance sections are not shown as the default factory settings work correctly.

#### **Basic Settings**

etup Wizard	Note: Your ISP may requ Basic Settings	0						
tup		1422		_				
Basic Settings	Does Your Internet Connection Require A Login	n?						
Vireless Settings	() Yes							
ntent Filtering	• No							
ogs	2							
llock Sites								
lock Services	Account Name (If Required)					I		
chedule	Domain Name (If Required)					1		
-mail						- 1		
ntenance	Internet IP Address							
outer Status	Get Dynamically From ISP							
ttached Devices	OUse Static IP Address							
ackup Settings	IP Address		98		210	].	218	. 61
et Password	IP Subnet Mask		255	٦.	255	٦.	252	. 0
outer Upgrade					2000	-	Losson as	1.2012430
vanced	Gateway IP Address		98	•	210		216	. 1
/ireless Settings	Domain Name Server (DNS) Address							
ort Forwarding / Port	Get Automatically From ISP							
riggering	Ouse These DNS Servers							
/AN Setup	Primary DNS	1	68		87	-	76	. 18
AN IP Setup	Primary DNS		(1) (1) 	1.0	Lesone -		Linere	
ynamic DNS	Secondary DNS		68		87	•	78	. 13
atic Routes	Router MAC Address							
emote Management	Use Default Address							
PnP	Use Computer MAC Address							
o Support	Superior Production				0.0	10	45.0	F (F)
nowledge Base	OUse This MAC Address				00:	18:	4D:2	5:6E:
ocumentation		(Cancel) (Test)						

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# Wireless Settings

Setup Wizard	Tihey_do_not_af Wireless Settings			
	- Wireless octurigs			
ttup Basic Settings	Wireless Network			
Wireless Settings	Name (SSID):		NETGEAR	
ontent Filtering	Region:		United States	
Logs	Channel:		Auto	
Block Sites				2
Block Services	Mode:		Up to 145 Mbps	
Schedule	Security Options			
E-mail	ONone			
aintenance	OWEP			
Router Status	WPA-PSK [TKIP]			
Attached Devices	• WPA2-PSK [AES]			
Backup Settings	WPA-PSK [TKIP] + WPA	A2-PSK [AES]		
Set Password	Fr.			
Router Upgrade	Security Encryption(WPA	CONTRACTOR OF A		
dvanced	Passphrase:	8-63 ch	aracters	
Wireless Settings		A	oply Cancel	
Port Forwarding / Port				
Triggering				
WAN Setup				
LAN IP Setup				
Dynamic DNS				
Static Routes				
Remote Management				
UPnP				
leb Support				
Knowledge Base				
Documentation				
Logout				
Logout				

# Advanced Wireless Settings

izard	Advanced Wireless Settings	
ettings	Wireless Router Settings	
Settings	Senable Wireless Router Radio	
iltering	SID Broadcast	
	Fragmentation Threshold (256 - 2346):	2346
tes	CTS/RTS Threshold (256 - 2346):	2346
ervices	Preamble Mode	Automatic
0		
	Wireless Optimization Settings	
ce	11n Max Speed	
tatus	◯11 b/g/n Mixed mode	
Devices		(
ettings	Wireless Card Access List	(Setup Access List)
vord		
ngrade	(Apply) (	Cancel )
pgrade	(Apply)	Cancel
Ipgrade Settinos	(Apply) (	Cancel
Settings	(Apply)	Cancel
Settings warding / Port	(Apply) (	Cancel
Settings warding / Port	(Apply) (	Cancel
	(Apply) (	Cancel
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Settings warding / Port 19 wp	(Apply) (	Cancel
Settings varding / Port g p p p tup DNS utes	(Apply) (	Cancel
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ettings rding / Port up NS es nagement Base	(Apply) (	Cancel
ettings rding / Port up NS es nagement Base	(Apply) (	Cancel
ettings rding / Port up NS es magement	(Apply) (	Cancel



# Port Forwarding/Triggering Settings

NETGEA SMARTY	VIZAR	D router man	ager IEXT Wireless Router model WN885#F	
Setup Wizard		arding / Port Trig		
Setup Basic Settings Wireless Settings Content Filtering	Please select Port Forwa Port Trigge	a second		_
<ul> <li>Logs</li> <li>Block Sites</li> <li>Block Services</li> </ul>	Service Nam	e	Server IP Address	
<ul> <li>Schedule</li> <li>E-mail</li> </ul>	#	Service Name	Start Port End Port Server IP Address	
Maintenance Router Status Attached Devices			Edit Service Delete Service	
Backup Settings     Set Password				
<ul> <li>Router Upgrade</li> <li>Advanced</li> <li>Wireless Settings</li> </ul>				
<ul> <li>Port Forwarding / Port Triggering</li> <li>WAN Setup</li> </ul>				
LAN IP Setup     Dynamic DNS				
<ul> <li>Static Routes</li> <li>Remote Management</li> <li>UPnP</li> </ul>				
Web Support Knowledge Base Documentation				
Logout				
123% <del>-</del> 301 WC	nus	rage 1 01 1	25. V 56*1	

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#### WAN Setup Settings

NETGEA			DRA		
SMART	The following settings are requi	red fo ortan	2.4 Gr	olp.	
Setup Wizard	WAN Setup	~~~~			
Setup Basic Settings	Connect Automatics , as Required				
Wireless Settings Content Filtering	🗹 Disable SPI Firewall				
<ul><li>Logs</li><li>Block Sites</li></ul>	Default DMZ Server	10	. 0	. 0	. 0
<ul> <li>Block Services</li> <li>Schedule</li> </ul>	Respond to Ping on Internet Port				
• E-mail Maintenance	MTU Size(in bytes)				1500
<ul> <li>Router Status</li> <li>Attached Devices</li> </ul>	(Apply) (Cancel)				
Backup Settings					
<ul> <li>Set Password</li> <li>Router Upgrade</li> </ul>					
Advanced Wireless Settings					
<ul> <li>Port Forwarding / Port Triggering</li> <li>WAN Setup</li> </ul>					
LAN IP Setup					
<ul> <li>Dynamic DNS</li> <li>Static Routes</li> </ul>					
<ul> <li>Remote Management</li> <li>UPnP</li> </ul>					
Web Support Knowledge Base					
Documentation					
Logout					



# LAN IP Setup Settings

tup Wizard	LAN	I IP S	etup								
ıp											
sic Settings	LAN	TCP/IP	Setup								
ireless Settings	IP Add	dress				10	. 0		0		1
tent Filtering	IP Sul	bnet Ma	sk			255	. 2	55 .	255	Π.	0
gs	RIP D	irection					-			Non	e
ock Sites	RIP V	ersion								Disz	bled
ock Services									1		
hedule	<b>⊠</b> Us	e Rout	er as D	HCP Server							
mail	Startin	ng IP Ad	dress			10	. 0		0		2
ntenance	Endin	g IP Ad	dress			10	. 0	1	0	-	25
outer Status		ig il Ad	01033			10	• [2		v		20
tached Devices	Addre	ess Re	ervati	on							
ckup Settings		#		IP Address	Device Name	H. ISS		MA	C Add	ress	
et Password					(Add) (Edit) (Dele	te					
et Password outer Upgrade					(Add) (Edit) (Dele	te					
et Password outer Upgrade anced	2	-1			Add Edit Dele	te)			_	_	
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#### **Dynamic DNS Settings**

etup Wizard	LAN	IP Se	etup							
up										
asic Settings	LAN T	CP/IP S	Setup							
/ireless Settings	IP Add	iress			10	•	ο.	0		1
ntent Filtering	IP Sub	onet Ma	sk		255		255 .	255	٦.	0
ogs	RIP D	irection						(	Non	e
lock Sites	RIP V	ersion						(		bled
lock Services		or alon							0130	bicu
chedule	Us	e Route	er as DHCP Server							
-mail	Startin	g IP Ad	dress		10		0.	0	٦.	2
ntenance		g IP Add			10		0	0		25
outer Status	Enuing	y ir Au	Jiess		10	*	0.	V	1.00	25
ttached Devices	Addre	ss Res	ervation							
ackup Settings		#	IP Address	Device Name		Γ	MA	C Addr	ess	
Research States and a second										
et Password				(Add) (Edit) (Delet	2	-				
et Password outer Upgrade		h		(Add) (Edit) (Delet	e					
outer Upgrade /anced	1.	· · · · ·			e					
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outer Upgrade ranced /ireless Settings ort Forwarding / Port	ă.				e					
outer Upgrade vanced /ireless Settings	X				e					
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outer Upgrade vanced /ireless Settings ort Forwarding / Port riggering /AN Setup	2				e					
outer Upgrade vanced lireless Settings ort Forwarding / Port riggering /AN Setup AN IP Setup					e					
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outer Upgrade vanced Vireless Settings ort Forwarding / Port riggering VAN Setup AN IP Setup ynamic DNS tatic Routes emote Management PnP b Support	2				Ð					



#### **Static Routes Settings**



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#### **Remote Management Settings**

Setup Wizard	Default settings are of Remote Management		
atup			
Basic Settings	Turn Remote Management On		
Wireless Settings	-		
entent Filtering	Remote Management Address:		
Logs	98.210.218.61:8080		
Block Sites	Allow Remote Access By:		
Block Services	Only This Computer:	·	•
Schedule			
E-mail	OIP Address Range :	From	•
intenance		то	<u> </u>
Router Status			
Attached Devices	Everyone		
Backup Settings			12
Set Password	Port Number:		8080
Router Upgrade			
Ivanced		Apply Cancel	
Wireless Settings			
Port Forwarding / Port Friggering			
WAN Setup			
LAN IP Setup			
Dynamic DNS			
Static Routes			
Remote Management			
JPnP			
eb Support			
Knowledge Base			
and a second second and a second second			
Documentation			



#### **UPnP Settings**

NETGEA SMARTY	VIZAR		router RangeMa	IX TM N	NEXT Wireless	Route	r model WNR854	DRAFT MIMO 300 Mbps extracts 2, 4 Grea adjented 11	
Setup Wizard	UPnP	SE	ttings	ar	e corre	CL.	)	draf#802.116	
Setup	C								
Basic Settings	🗌 Turn UPr	nP O	n						
Wireless Settings	Advertisem	nent	Period (in mir	nutes)					30
Content Filtering	Advertisem	nent '	Time To Live	(in ho	ps)				4
Block Sites	UDnD Dorte		Tabla						
<ul> <li>Block Services</li> </ul>	UPnP Portn		Protocol	Ť	Int. Port	-	Ext. Port	IP Address	
Schedule									
E-mail					(Apply) (Ca	ancel	Refresh		
Maintenance									
Router Status									
Attached Devices									
Backup Settings									
Set Password									
Router Upgrade									
Advanced									
Wireless Settings									
<ul> <li>Port Forwarding / Port Triggering</li> </ul>									
WAN Setup									
LAN IP Setup									
Dynamic DNS									
Static Routes									
Remote Management									
• UPnP									
Web Support									
Knowledge Base									
Documentation									
Logout									



# You Are Now Ready to Go!

You can plug in your phone(s) and test them by completing one of the following:

- Dial any of your extension numbers in the system
- Dial any valid phone number in the U.S. or Canada using the following format:
  - 1 + area code + 7-digit number
  - **7-digit Number** (have your system administrator make sure your default area code is set correctly in order to make 7-digit dialing calls)

