

N300 Dual-Band Wi-Fi Range Extender

USER MANUAL

8820-01079

Rev. A01

F9K1111v1

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Getting Started

Congratulations on buying an N300 Dual-Band Wi-Fi Range Extender (the Range Extender). This device will enable you to extend the range of your dual-band router to

eliminate “dead spots” in your wireless network. The dual-band feature extends both your 2.4GHz and 5GHz networks.

What’s in the Box

N300 Dual-Band Wi-Fi Range Extender
Quick Installation Guide

User Manual on CD

Initial Setup

To get started, you will need:

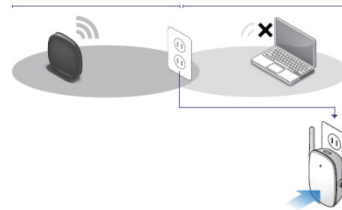
- Your primary wireless router, its network name (SSID), and password. If it’s a dual-band router, please be sure you have both SSIDs and passwords.
- A personal computer with a web browser

Set Up Your Range Extender Wirelessly

[please derive lineart from QIG: 8820-01078 B00]

Step 1

Choose an outlet near the edge of your network’s Wi-Fi coverage.



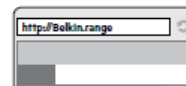
Step 2

Plug in your N300DB Range Extender.

Step 3

Connect your computer to the “**Belkin.setup**” wireless network. Make sure nothing is plugged into your Ethernet port.

On Windows Vista or Windows 7, please check the option “Connect Automatically” when you select the network .



Step 4

Visit “<http://Belkin.range>” and follow the on-screen instructions .

Wired Setup

Step 1: Connect the Range Extender to your computer using an Ethernet cable (Ethernet cable not included).

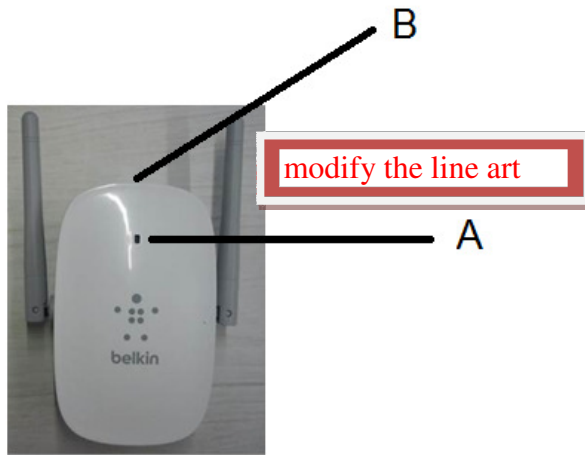
Step 2: Plug the Range Extender into a wall socket or other power source.

Step 3: On your computer, turn off Wi-Fi.

Step 4: Use your favorite browser to visit <http://belkin.range> and follow the instructions that appear there.

Step 5: After your setup is complete, please turn on Wi-Fi.

Getting to Know Your Dual-Band Wi-Fi Range Extender



A) Status Light

Your Range Extender's status is shown by the light on the front.

Off	The Range Extender is not plugged into a power source.
Blinking Blue	The Range Extender is starting up.
Solid Blue	The Range Extender is connected to the Wi-Fi® network.
Solid Amber	The Range Extender is connected to the Wi-Fi network but is experiencing a weak signal. The weak signal may be either the 2.4GHz or 5GHz band. A weak signal may lead to performance problems. Consider moving the Range Extender closer to the wireless router.
Blinking Amber	The Range Extender is not connected to the Wi-Fi network. Check to make sure that your wireless router is functioning properly, and/or move the Range Extender closer to the wireless router.
Alternating Blue/Amber	The Range Extender is ready to be set up. (Refer to “Getting Started” for instructions on how to set up your Range Extender.)

B) Wi-Fi Protected Setup (WPS) Light and Button

The WPS button on the top of your Range Extender can be used to help establish a secure connection between your Range Extender and

other WPS-enabled Wi-Fi devices such as computers. To use

the WPS feature on your Range Extender, see “Advanced Settings > Wi-Fi Protected Setup > Using Wi-Fi Protected Setup.”

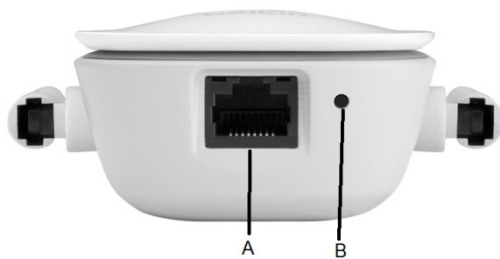
The small LED light near the WPS button shows what is happening while you are using WPS to establish a connection.

Off: Idle

Blinking Blue: The Range Extender is listening for a WPS-enabled computer or other device.

Solid Blue: The Range Extender has made a secure connection with the computer or other device.

Blinking Amber: A connection was not created.



A) Wired (LAN) Connector

Connect AV devices such as a TV, Blu-ray player, gaming console, and other wired devices to the port using an Ethernet cable (not included).

B) Reset Button

This button is used to restart your Range Extender in rare cases when it functions incorrectly. Resetting the Range Extender will preserve your settings. This button may also be used to restore the factory default settings. Please see the Troubleshooting section for more information.

Technical Details

System Requirements:

- 802.11 a/b/g/n 2.4GHz and/or 5GHz wireless router with broadband Internet connection
- At least one computer with:
Installed wireless network interface card and TCP/IP protocol
Windows® XP 32 (SP3 or greater), Windows Vista® 32/64, or Windows 7 32/64;
or Mac OS® X v10.5 or above
Internet Explorer® v7 or above, Firefox®, Google Chrome™, or Safari®
Minimum 1.8GHz processor
Minimum 512MB RAM

Specifications:

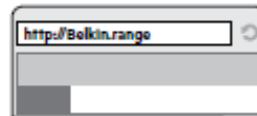
- Wireless Standards with Link Rate

- IEEE 802.11n (up to 150Mbps for 2.4GHz and 5GHz*)
- IEEE 802.11g (up to 54Mbps*)
- IEEE 802.11a (up to 54Mbps*)
- IEEE 802.11b (up to 11Mbps*)
- Wireless Operating Spectrum:
 - Simultaneous Dual-Band
 - 2.4GHz and 5GHz
- Wireless Security:
 - Wi-Fi Protected Setup™
 - 256-bit WPA®/WPA2® encryption
 - 64/128-bit WEP encryption
- Ports:
 - 1 LAN Fast Ethernet port

Advanced Settings

Connecting to the Web Interface

When you are connected to your Range Extender, you can access the Range Extender’s Web-Based Advanced User Interface (UI) using your Internet browser. In your browser, type “belkin.range.” Then press the “Enter” key.



The Status Page

The screenshot shows the Belkin web interface for a Dual-Band Wireless Range Extender. The page is titled "Dual-Band Wireless Range Extender" and includes a navigation menu on the left (1), a language selection bar (2), and a main "Status" section (3). The "Status" section is divided into "Version Info" (4) and "Features" (5). Below this, there are two columns for "2.4 Ghz Extender" (6) and "5 Ghz Extender" (7), each displaying connection status, SSID, signal strength, IP address, extended SSID, and security settings.

2.4 Ghz Extender		5 Ghz Extender	
Status	Connected	Status	Connected
SSID	myhomenetwork2	SSID	myhomenetwork5
Signal Strength		Signal Strength	
IP Address	192.168.2.254	IP Address	192.168.2.253
Extended SSID	myhomenetwork2_xt	Extended SSID	myhomenetwork5_xt
Security	WPA2-Personal (PSK)	Security	WPA2-Personal (PSK)

This page shows the detailed status of your Range Extender. The meaning of the various items is detailed below.

1. Quick-Navigation Links

You can go directly to any of the Range Extender's advanced UI pages by clicking directly on these links.

2. Language

Shows the active language for the Advanced User Interface. Select the desired language by clicking one of the available languages.

3. Page Name

The page you are on can be identified by this name. This User Manual will sometimes refer to pages by name. For instance, "LAN > LAN Settings" refers to the "LAN Settings" page.

4. Version Info

The Version Info section gives you information on the hardware part number, version number, firmware version, and serial number. Belkin Technical Support may ask you for this information in certain troubleshooting situations.

5. Features

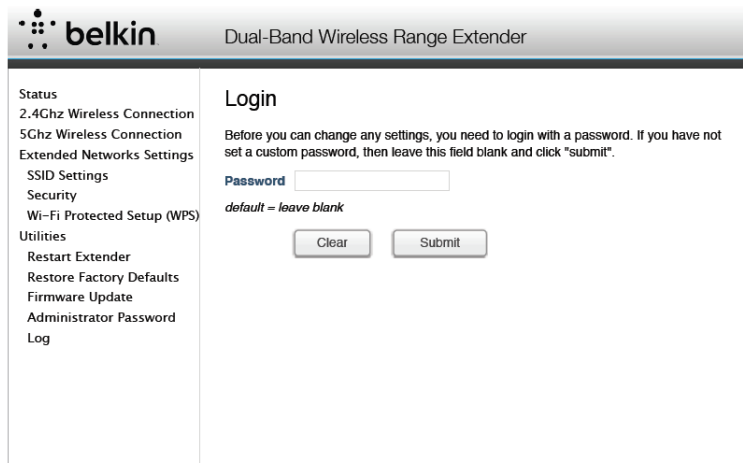
This section details whether the WPS function is enabled or disabled, and for which extended network (2.4GHz or 5GHz).

6. and 7.

These sections provide detailed information on the 2.4GHz and 5GHz extended networks.

Logging into the Firmware

The Range Extender's home page is visible to any user who wants to see it. To make any changes to the Range Extender's settings, you have to log in. Clicking on any one of the links on the home page will take you to the login screen. The Range Extender ships with no password entered. In the login screen, leave the password blank and click the "Submit" button to log in.



The screenshot shows the web interface for a Belkin Dual-Band Wireless Range Extender. At the top left is the Belkin logo. The page title is "Dual-Band Wireless Range Extender". On the left side, there is a navigation menu with the following items: Status, 2.4Ghz Wireless Connection, 5Ghz Wireless Connection, Extended Networks Settings, SSID Settings, Security, Wi-Fi Protected Setup (WPS), Utilities, Restart Extender, Restore Factory Defaults, Firmware Update, Administrator Password, and Log. The main content area is titled "Login" and contains the following text: "Before you can change any settings, you need to login with a password. If you have not set a custom password, then leave this field blank and click 'submit'." Below this text is a "Password" label followed by a text input field. Underneath the input field, it says "default = leave blank". At the bottom of the login section, there are two buttons: "Clear" and "Submit".

Configuring the 2.4GHz Wireless Connection

This option will change the settings for the Range Extender's connection to your main 2.4GHz network. You can use this option for the following tasks:

- Connecting to a different wireless network
- Updating the settings after you've changed the wireless settings (e.g., security type or password) on your Range Extender

Click on the "2.4GHz Wireless Connection" link on the left side of the screen.

The screenshot shows the Belkin Dual-Band Wireless Range Extender web interface. The left sidebar contains navigation links: Status, 2.4Ghz Wireless Connection (highlighted), 5Ghz Wireless Connection, Extended Networks Settings, SSID Settings, Security, Wi-Fi Protected Setup (WPS), Utilities, Restart Extender, Restore Factory Defaults, Firmware Update, Administrator Password, and Log. The main content area is titled "2.4 Ghz Wireless Connection" and features a "Signal Strength" indicator. Below it are three input fields: "Network Name (SSID)" with the value "currentnetwork", "Security Type" with a dropdown menu set to "WPA2", and "Password (Key)" with the value "password". There is an "Obscure password" checkbox and two buttons: "Clear Changes" and "Apply Changes". A "New 2-14-2012" notice box is overlaid on the bottom right, containing text about password character restrictions and a "ASCII Code Chart".

The Range Extender will provide the following options:

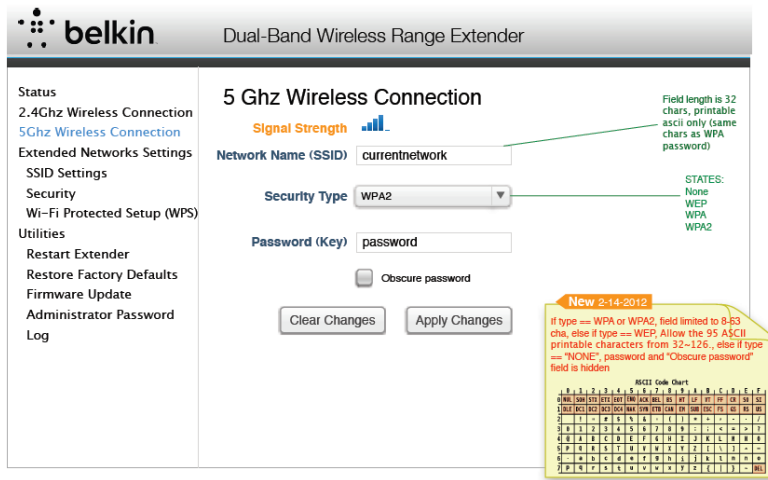
Network Name (SSID)	This is the name of the 2.4GHz network you wish to extend.
Security Type	You must specify the type of security for your Range Extender (WPA2, WPA, WEP, or None).
Password (Key)	This is the password or passkey that you normally use to connect to your wireless router.

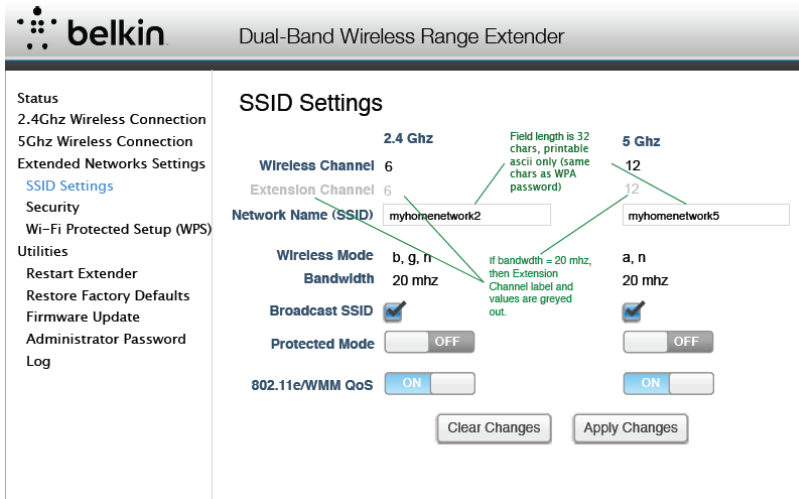
Configuring the 5GHz Wireless Connection

This option will change the settings for the Range Extender's connection to your main 5GHz network. You can use this option for the following tasks:

- Connecting to a different wireless network
- Updating the settings after you've changed the wireless settings (e.g., security type or password) on your Range Extender

Click on the “5GHz Wireless Connection” option on the left side of the screen.





We recommend accepting the default values here, which will mirror your main network. However, if you wish to change settings for the Extended Network, you can do so here.

The screen is arranged in two columns, one for your 2.4GHz Extended Network and the second for the 5GHz Extended Network.

For each network, you may configure the following:

Network Name (SSID)	This is the name of your extended Wi-Fi Range Extender as it will show up when you try to connect to it from a laptop, tablet, etc.
Broadcast SSID	Note: This advanced feature should be employed by advanced users only. For security, you can choose not to broadcast your extended network's SSID. Doing so will keep your network name hidden from computers that are scanning for the presence of wireless networks. To turn off the broadcast of the SSID, remove the check mark from the box next to "Broadcast SSID", and then click "Apply Changes." The change is immediate. Each wireless computer or device now needs to be set to connect to your specific SSID. Refer to the documentation of your computer, tablet, or other device.
Protected Mode	Protected mode ensures proper operation of draft 802.11n-compliant devices on your wireless network when 802.11g or 802.11b devices are present or when there is heavy 802.11g or 802.11b traffic in the operating environment. Use protected mode if your network consists of a mix of Belkin Double N+

	Wireless Cards and 802.11g or 802.11b cards. If you are in an environment that includes little to no 802.11g or 802.11b wireless network traffic, you will achieve the best wireless performance with protected mode OFF. Conversely, in an environment with HEAVY 802.11g or 802.11b traffic or interference, you will achieve the best wireless performance with protected mode ON. This will ensure wireless performance is not affected.
802.11e/WMM QoS	802.11e/WMM QoS is a feature that prioritizes the traffic on your wireless network based on the type of traffic. We recommend leaving this enabled for optimal performance.

Security

This screen enables you to change the wireless security settings such as WPA or WEP.

belkin Dual-Band Wireless Range Extender

Security

2.4 GHz Security Type: WPA/WPA2 Password (Key): [] Obscure Password: []

5 GHz Security Type: WPA/WPA2 Password (Key): [] Obscure Password: []

STATES: None, WEP, WPA/WPA2

Buttons: Clear Changes, Apply Changes

New 2-14-2012
If type == WPA or WPA2, field limited to 8-63 cha, else if type == WEP, Allow the 95 ASCII printable characters from 32-126, else if type == "NONE", password and "Obscure password" field is hidden

Password Errors
1) WEP passwords can be 10 characters or 26 characters.
2) WPA passwords need to be at least 8 digits long.
3) Please enter a password
4) Password contains invalid characters: <invalid characters, separated by commas>.

ASCII Table:

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121
122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137
138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153
154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169
170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185
186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201
202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217
218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233
234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249
250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265
266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281
282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297
298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313
314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329
330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345
346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361
362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377
378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393
394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409
410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425
426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441
442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457
458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473
474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489
490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505
506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521
522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537
538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553
554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569
570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585
586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601
602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617
618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633
634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649
650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665
666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681
682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697
698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713
714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729
730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745
746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761
762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777
778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793
794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809
810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825
826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841
842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857
858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873
874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889
890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905
906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921
922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937
938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953
954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969
970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985
986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001

We recommend leaving the settings you used when you went through the Setup Wizard. By default, your Range Extender will use the same security settings as your main network. However, if you wish, you may specify different security settings here. The screen is arranged in two columns, one for your 2.4GHz network and the other for your 5GHz network.

Security Type: You may specify the type of security here. Available options are WPA2/WPA, WEP, and None (no security). We recommend you use the same type of security as your main router.

Password(Key):

For WPA2 security, this can be any set of characters from 8 to 63 characters in length, (only accept printable ASCII characters). For WEP security, this must be a string of “hex characters” (0-9 or A-F). (If you specify “None” for the security, this field will be hidden.) We recommend you use the same password as your main router.

Obscure password:

If this box is checked, the password will be obscured in your browser so that others cannot see it when you type it in.

Wi-Fi Protected Setup

Your Dual-Band Wi-Fi Range Extender supports the Wi-Fi Protected Setup™ (WPS) specification, which simplifies the setup of a wireless network. WPS uses familiar methodologies, such as typing in a Personal Identification Number (PIN) or pushing a button, to enable users to automatically configure network names and strong WPA/WPA2 data encryption and authentication.

Using Wi-Fi Protected Setup™

Belkin recommends that you set up WPA2 as your wireless security. WPS does not provide additional security, but rather simplifies the addition of wireless devices to your wireless network. You may use either the Push Button Configuration (PBC) method or PIN method to allow a device access to your wireless network.

PBC: Push and hold the WPS button located on the front of your Range Extender for two seconds and the security LED will flash, indicating that WPS has been initiated. Then, initiate WPS on the client device within two minutes (refer to your client’s documentation on this procedure). The wireless device and Range Extender will automatically exchange a security key and establish a secure connection.

PIN: The client device has a WPS PIN number (eight digits) that will be provided to you when you initiate the connection to the Range Extender. Enable WPS through the screen illustrated to the below. Enter the client’s PIN into the Range Extender’s internal registrar (accessed through this screen). The client will be securely enrolled into your wireless network within two minutes.

Resetting the Dual-Band Wi-Fi Range Extender

Restart your Dual-Band Wi-Fi Range Extender

Restoring Factory Defaults

In some situations, it may be necessary to restore factory defaults; this will restore the unit to the settings when you pulled it out of the box. If you do this, you'll need to set it up again.

The screenshot shows the Belkin web interface for a Dual-Band Wireless Range Extender. The left sidebar contains a navigation menu with the following items: Status, 2.4Ghz Wireless Connection, 5Ghz Wireless Connection, Extended Networks Settings, SSID Settings, Security, Wi-Fi Protected Setup (WPS), Utilities, Restart Extender, Restore Factory Defaults (highlighted in blue), Firmware Update, Administrator Password, and Log. The main content area is titled 'Restore Factory Defaults' and contains the following text: 'Using this option will restore the extender to the factory (default) settings. Once in the default condition, the extender will need to be setup again.' Below this text is a button labeled 'Restore Factory Defaults'. Further down, it says 'To setup after restoring the extender to the factory default state:' followed by a numbered list: 1. Restore your extender to the factory defaults using the button on this page. 2. Once the extender has rebooted and is blinking blue/amber, join belkin.setup. 3. Refresh this page in your browser. 4. Follow the onscreen instructions to complete the setup.

Updating the Range Extender's Firmware via the Web Interface

The following steps show you how to update your Dual-Band Wi-Fi Range Extender's firmware using its web interface.

The screenshot shows the Belkin web interface for a Dual-Band Wireless Range Extender, specifically the 'Firmware update' page. The left sidebar is identical to the previous screenshot, with 'Firmware Update' highlighted in blue. The main content area is titled 'Firmware update' and contains the following text: 'From time to time, Belkin may release new versions of the Dual-Band Wireless Range Extender's firmware. Firmware updates contain improvements and fixes to problems that may have existed. Click the check for update button below to see if there is a firmware update available for your extender.' Below this text, it shows 'Current Firmware> 1.00.00 (Oct.11.2011)'. There is a button labeled 'Check for Firmware Updates'. Below the button, there is a note: 'If you are setting up the Extender, you will need to rejoin your home network, and check for updates by visiting Belkin's support site.' At the bottom, there is a section for 'Update Firmware' with a button labeled 'Choose Update File' and the text 'No File Chosen' next to it. Below this is another button labeled 'Update Firmware'.

Click the button to "Check for Firmware Updates." This will show you whether there is new firmware available.

Download the firmware file and save it to your PC.

Click “Choose Update File”; a box will open up. Select the firmware file you just downloaded.

Click “Update Firmware.”

Troubleshooting, Support, and Warranty

Troubleshooting

Belkin Setup cannot find my Dual-Band Wi-Fi Range Extender.

If Belkin Setup is not able to communicate with your Dual-Band Wi-Fi Range Extender during the installation process, please make sure that the Range Extender is powered on.

The Range Extender is having trouble connecting to your wireless network.

Blinking Amber LED

This indicates that the Dual-Band Wi-Fi Range Extender is not connected to your wireless network. Please move the Range Extender closer to your router.

Solid Amber LED

This indicates that the Dual-Band Wi-Fi Range Extender is connected to your wireless network but the signal is weak. You might experience slower performance. Please move the Range Extender closer to your router.

My wireless network performance is slow, inconsistent, suffers from weak signal, or I’m having difficulty maintaining a connection with my wireless network.

Wireless technology is radio-based, which means connectivity and the throughput performance between devices decreases when the distance between devices increases. Other factors that will cause signal degradation (metal is generally the worst culprit) are obstructions such as walls and metal appliances. Note also that connection speed may decrease as you move your computer farther away from the Range Extender. Finally, note that all your wireless devices are sharing the same network. So, if you have another device that is generating a lot of network traffic (for example, transferring large files) that will compromise the performance of other devices on the network. Try moving high-traffic devices closer to the Range Extender, or try wiring them to your router with an Ethernet cable.

Reset Button

The “Reset” button is used in rare cases when the Range Extender may function improperly. Resetting the Range Extender will restore the Range Extender’s normal operation while maintaining the programmed settings. You can also restore the factory default settings by using the “Reset” button. Use the restore option in instances where you may have forgotten your custom password.

Resetting the Dual-Band Wi-Fi Range Extender

Push and release the “Reset” button. The light on the Range Extender will momentarily flash and then become solid again, indicating that the reset is complete.

Restoring Your Range Extender to Factory Defaults

Press and hold the “Reset” button for at least 10 seconds, and then release it. The light on the Range Extender will momentarily flash and then will begin to blink. When the light becomes solid again, the restore is complete.

Technical Support

US

<http://www.belkin.com/support>

UK

<http://www.belkin.com/uk/support>

Australia

<http://www.belkin.com/au/support>

New Zealand

<http://www.belkin.com/au/support>

Singapore

1800 622 1130

Europe

<http://www.belkin.com/uk/support>

Belkin International, Inc., Limited 2-Year Product Warranty

What this warranty covers.

Belkin International, Inc. ("Belkin") warrants to the original purchaser of this Belkin product that the product shall be free of defects in design, assembly, material, or workmanship.

What the period of coverage is.

Belkin warrants the Belkin product for two years.

What will we do to correct problems?

Product Warranty.

Belkin will repair or replace, at its option, any defective product free of charge (except for shipping charges for the product). Belkin reserves the right to discontinue any of its products without notice, and disclaims any limited warranty to repair or replace any such discontinued products. In the event that Belkin is unable to repair or replace the product (for example, because it has been discontinued), Belkin will offer either a refund or a credit toward the purchase of another product from Belkin.com in an amount equal to the purchase price of the product as evidenced on the original purchase receipt as discounted by its natural use.

What is not covered by this warranty?

All above warranties are null and void if the Belkin product is not provided to Belkin for inspection upon Belkin's request at the sole expense of the purchaser, or if Belkin determines that the Belkin product has been improperly installed, altered in any way, or tampered with. The Belkin Product Warranty does not protect against acts of God such as flood, lightning, earthquake, war, vandalism, theft, normal-use wear and tear, erosion, depletion, obsolescence, abuse, damage due to low voltage disturbances (i.e. brownouts or sags), non-authorized program, or system equipment modification or alteration.

How to get service.

To get service for your Belkin product you must take the following steps:

1. Contact Belkin International, Inc., at 12045 E. Waterfront Drive, Playa Vista, CA 90094, Attn: Customer Service, or call (800)-223-5546, within 15 days of the Occurrence. Be prepared to provide the following information:
 - a. The part number of the Belkin product.
 - b. Where you purchased the product.
 - c. When you purchased the product.
 - d. Copy of original receipt.
2. Your Belkin Customer Service Representative will then instruct you on how to forward your receipt and Belkin product and how to proceed with your claim.

Belkin reserves the right to review the damaged Belkin product. All costs of shipping the Belkin product to Belkin for inspection shall be borne solely by the purchaser. If Belkin determines, in its sole discretion, that it is impractical to ship the damaged equipment to Belkin, Belkin may designate, in its sole discretion, an equipment repair facility to inspect and estimate the cost to repair such equipment. The cost, if any, of shipping the equipment to and from such repair facility and of such estimate shall be borne solely by the purchaser. Damaged equipment must remain available for inspection until the claim is finalized. Whenever claims are settled, Belkin reserves the right to be subrogated under any existing insurance policies the purchaser may have.

How state law relates to the warranty.

THIS WARRANTY CONTAINS THE SOLE WARRANTY OF BELKIN. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR, EXCEPT AS REQUIRED BY LAW, IMPLIED, INCLUDING THE IMPLIED WARRANTY OR CONDITION OF QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND SUCH IMPLIED WARRANTIES, IF ANY, ARE LIMITED IN DURATION TO THE TERM OF THIS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

IN NO EVENT SHALL BELKIN BE LIABLE FOR INCIDENTAL, SPECIAL, DIRECT, INDIRECT, CONSEQUENTIAL OR MULTIPLE DAMAGES SUCH AS, BUT NOT LIMITED TO, LOST BUSINESS OR PROFITS ARISING OUT OF THE SALE OR USE OF ANY BELKIN PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

This warranty gives you specific legal rights, and you may also have other rights, which may vary from state to state. Some states do not allow the exclusion or limitation of incidental, consequential, or other damages, so the above limitations may not apply to you.

DECLARATION OF CONFORMITY WITH FCC RULES FOR ELECTROMAGNETIC COMPATIBILITY

We, Belkin International, Inc., of 12045 E. Waterfront Drive, Playa Vista, CA 90094, declare under our sole responsibility that the device, F9K1111v1, complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Regulatory Information

FCC Statement

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is going to be operated in 5.15~5.25GHz frequency range, it is restricted for indoor environment only.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator & your body.

IC Statement:

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B conforme à la norme NMB-003 du Canada.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionner en association avec une autre antenne ou transmetteur.

The device for the band 5150-5250 MHz is only for indoor use to reduce potential for harmful interference to co-channel mobile satellite systems.

les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 shall comply with the e.i.r.p. limits

The maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE IMPORTANTE: (Pour l'utilisation de dispositifs mobiles)

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Caution:

The device for the band 5150-5250MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems. High-power radars are allocated as primary users (meaning they have priority) of 5250-5350MHz and 5650-5850MHz and these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

Le dispositif fonctionnant dans la bande 5150-5250MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux. Les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Back cover

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