

intelbras

User guide


IWE 3001

intelbras

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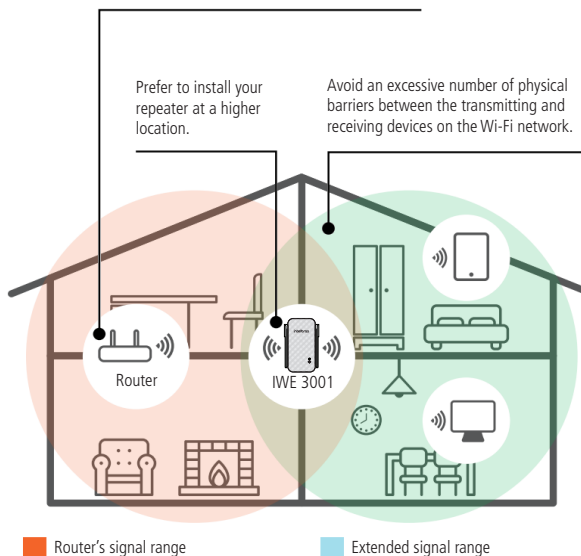
Wi-Fi Repeater

Congratulations, you have just purchased a product with Intelbras quality and security.

The Intelbras IWE 3001 Wi-Fi repeater is the ideal solution to boost the signal from your home network. With it, you can share Internet access to various devices on a wireless network. You can configure the repeater via the *WPS*  button and, with just two touches, increase the signal from your Wi-Fi network. Its installation and management can also be done through the web interface, which can be accessed through your computer, smartphone or tablet quickly and easily.

Care and safety

Avoid installing the repeater too far away from your router. The better it receives the signal from your Wi-Fi network, the better your connection will be.



Care and safety



Do not leave your repeater exposed to sunlight or heat sources.



Do not place the repeater in closed or tight places.



Do not leave your repeater near the microwave.



Do not leave your repeater near the wireless analog phone.

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1. Technical specifications

Hardware	
Chipset (CPU)	RTL8196E
Chipset wireless	RTL8192ER
Flash memory	4 MB
SDRAM memory	32 MB
2 external antennas	3 dBi
Wireless parameters	
Standards	IEEE 802.11b/g/n
Radio mode	MiMo
Mode of operation	Wi-Fi Repeater
Frequency of operation	2.4 GHz
Bandwidth	20, 40 MHz
Transmission rate	Up to 300 Mbps
Channels of operation	1-13 (Brazil)
Maximum power (EIRP)	20 dBm (100 mW)
Security	WEP and WPA-WPA2/PSK (TKIP/AES)
Supply	
Input	100-240 V to 50/60 Hz
Maximum power consumption	6 W

1.1. Meaning of LED

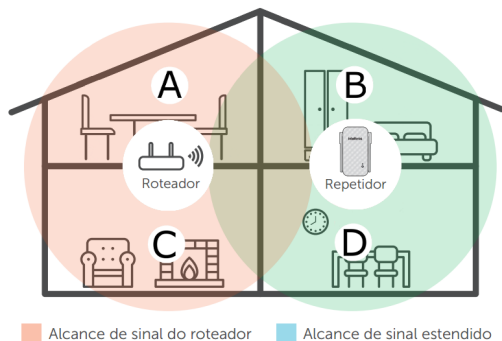
Green on	Connected and functioning normally.
Green flashing	Performing some configuration.
Red on	It is not connected to a network or the product has not been configured.
Red flashing	The product is starting.
Alternating between green and orange (flashing)	The signal from the repeated network is weak. Please refer to item <i>Cuidados e segurança</i> to identify the best place for installation.

2. Accessories

» Installation guide

3. Installation and configuration

Next, we will explain how to install and configure your product as a *Wi-Fi Repeater*. Before you start, we recommend that you check the information of the item *Care and safety*, to choose the best location to install your IWE 3001. If you wish, you can also access our YouTube channel: <https://www.youtube.com/user/IntelbrasBR>.



Example of residence with Wi-Fi signal repeater

Note that the router's coverage area does not cover the entire residence, so a IWE 3001 is used as a Wi-Fi repeater to solve this problem. It is important to note that in this scenario, depending on the room you are in, when connecting a device (a laptop or smartphone, for example) to the Wi-Fi network it may connect either to the router or the repeater. Examples:

- » If you are in the living room (C) and connect to Wi-Fi, you are connecting to your main router's Wi-Fi network.
- » If you are in the kitchen (D) and connect to the Wi-Fi network, you are connecting to the repeater Wi-Fi network.
- » If you connect to the Wi-Fi network while in the dining room (A) and then you move to the bedroom (B), and the main signal network still reaches it, even if weak, your device will still be connected to the main router, not automatically switching to Wi-Fi on the repeater. If you want your device to connect to the repeater and thus get a stronger signal, disable and enable your device's Wi-Fi network again (if you don't know how to do this, you can try restarting it so that the Wi-Fi connection with the stronger signal network occurs). The same goes for the move in the direction area covered by the repeater > area covered by the router (from the bedroom to the dining room, for example). In short: when moving between the rooms, disconnect and reconnect your device to the Wi-Fi network so that it connects to the network with the best signal.

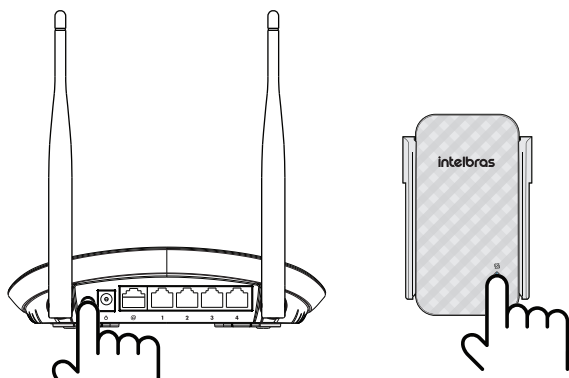
Note: To configure the product in Wi-Fi Repeater mode, you should follow only one of the ways presented: either via WPS button or via web browser.

3.1. Installation and configuring as Wi-Fi Repeater via WPS button

WPS is a simplified configuration option: with just two touches (one on the IWE 3001 and one on your main router) you can configure the repeater to extend the range of your Wi-Fi network.

Note: the following process configures the repeater via the WPS function. Make sure that your router has this feature configured and that it is working properly. If your router does not have the WPS function or you do not know how to check if it is working, refer to item 3.2. *Installing and configuring as a Wi-Fi Repeater via web browser.*

- » **Step 1:** plug the repeater into the outlet and wait for it to start (red LED stops flashing). This will take about 1 minute;
- » **Step 2:** press the WPS button on your router (one click only);
- » **Step 3:** within 1 minute after pressing it, press the WPS button (🔑) on the IWE 3001 (one click only).



Using the WPS button

After pressing the WPS button (🔑) on the IWE 3001, check the product LED; it indicates the status of the configuration. If it flashes green, and within 5 minutes it lights up in this same color, the configuration was successfully performed. However, if it flashes green and some time later it turns red, there was some problem in the configuration. In that case, it is necessary to redo the process. If you redo it and again you do not succeed, follow the instructions in the item 3.2. c. For more information about the product LED, see item 1.1. *Significado do LED.*

Note: » After the configuration, the repeater will use the same name and password of the Wi-Fi network of your main router..

- » Once configured, IWE 3001 will change the access address to the web interface, which can no longer be accessed via <http://10.0.0.1>. To find out how to perform access after configuration, see the item 6. Frequently asked questions of this document.

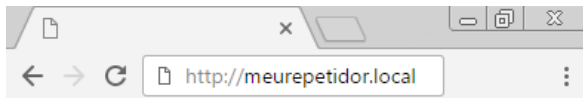
That's it! You have finished configuring the IWE 3001 in *Wi-Fi Repeater* mode, via *WPS* button(🔑).

3.2. Installing and configuring as *Wi-Fi Repeater* via web browser

This is another way to configure IWE 3001. If you have already performed the configuration procedure via *WPS*, you do not need to follow the steps below, as your product should already be configured and working.

If you have not yet configured, follow these steps:



- » **Step 1:** plug the IWE 3001 into the outlet and wait for it to start (red LED stops flashing). This will take about 1 minute;
- » **Step 2:** connect to the Wi-Fi network under the name IWE 3001; if you are already connected to a network under another name, disconnect and connect to the Wi-Fi network under the name IWE 3001;
Note: if you wish to perform the configuration using a mobile device (smartphone, for example), we recommend disabling the mobile data network (3G/4G, etc.) before following the next steps.
- » **Step 3:** open your web browser (we recommend using the most current versions of Google Chrome®, Mozilla Firefox® or Microsoft Edge®), and access the address <http://meurepetidor.local>, as shown in the following image. If the page does not open, access it through <http://10.0.0.1> or <http://169.254.0.10>.



Access via web browser

Welcome to the installation wizard! To configure your repeater, choose the network you want to repeat and, if your network uses a password, enter it in the field *Enter the Wi-Fi network password*.

After entering your password, click on the *Save* button.

Rede	Sinal
<input checked="" type="radio"/> Casa	
<input type="radio"/> Fulano	

Informe a senha da rede Wi-Fi:

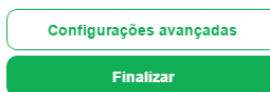
senha

Salvar

Cancelar

A few moments later, the following message will appear:

Para aplicar as configurações clique em "Finalizar".
Para mais definições clique em "Configurações avançadas".



In this message, click on *Finish*. Then check the product LED; it indicates if the configuration status. If it flashes green and some time later it lights up in that same color, the setting was successfully performed. However, if the LED flashes green and then turns red again, there was some problem with the setting. If this occurs, connect to the IWE 3001 Wi-Fi network and configure the repeater again. If the difficulty persists, please refer to item 6. *Dúvidas frequentes*. For more information about the product LED, see item 1.1. *Meaning of the LED*.

Note: » After configuration, the repeater will use the same name and password as the Wi-Fi network of your main router, therefore, the IWE 3001 Wi-Fi network will no longer be displayed on your devices.

- » If you wish, you can change the advanced settings before finishing the configuration process. For further details, please refer to item *Configurações avançadas do repetidor Wi-Fi*.
- » Once configured, IWE 3001 will change the access address to the web interface, which can no longer be accessed via `http://10.0.0.1`. To find out how to perform access after configuration, please refer to item 6. *Dúvidas frequentes* of this document.

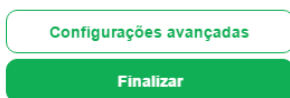
That's it! You have finished configuring the IWE 3001 in Wi-Fi Repeater mode, via web browser.

Wi-Fi Repeater Advanced settings

The advanced settings in *Wi-Fi Repeater* mode can be accessed in two ways:

Option 1: by clicking the *Advanced settings* button at the end of the *Wi-Fi Repeater* mode configuration wizard.

Para aplicar as configurações clique em "Finalizar".
Para mais definições clique em "Configurações avançadas".



Option 2: by accessing the option *Advanced settings* in the menu of the web interface after configuring the IWE 3001 as *Wi-Fi Repeater*:



In the advanced settings in the *Wi-Fi Repeater* mode the following settings can be changed:

Nome da rede local:

Minha rede Wi-Fi

Habilitar senha



Senha da rede local:

12345678

- » **Local network name:** name of the IWE 3001 Wi-Fi network. By default, when configuring the product via the installation wizard it uses the same name as the main network, but if you wish you can change it, The Wi-Fi network name can be up to 32 characters long.
- » **Enable password:** by disabling this option, your Wi-Fi network will be open (without password), that is, anyone can access it. By keeping it enabled, your Wi-Fi network will be protected by the password entered in the field *Local Network Password*.
- » **Local network password:** password that will be used to access the Wi-Fi network generated by IWE 3001. It must contain between 8 and 63 characters.

Note: in the fields Local Area Network Name and Local Area Network Password, only the following characters are allowed:

Space	!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/	0	1	2	3	4	5	6	7	8	9
:	;	<	=	>	?	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
T	U	V	W	X	Y	Z	[	\	\]	^	_	`	a	b	c	d	e	f	g	h	i	j	k	l	m
n	o	p	q	r	s	t	u	v	w	x	y	z	{	|	}	~									

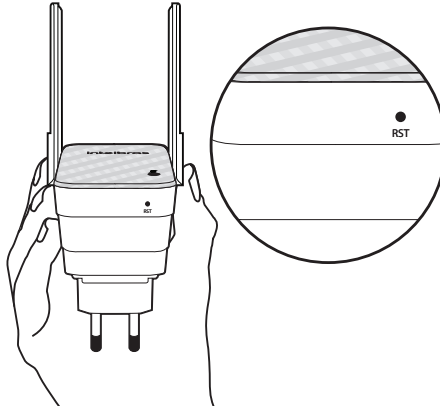
4. Restoring factory settings

Attention: at the end of this procedure, all settings will be lost and the IWE 3001 will be restored to factory defaults.

To restore the settings you have two options:

4.1. Restore settings via physical button

- » **Step 1:** plug the IWE 3001 into the outlet and wait for it to start (red LED stops flashing). This will take about 1 minute;
- » **Step 2:** press the *RST* button for about 6 seconds. When the reset time is reached, the product LED will turn off and then it will start flashing in red. When this occurs, you can stop pressing the button.



Using the RST button to reset the product

After releasing the button, wait while the configuration is restored. The restoration process will have finished when the product LED stops flashing and will then turn red.

4.2. Restore settings via web browser

- » **Step 1:** access the IWE 3001 configuration interface;
- » **Step 2:** click on the menu and select the option *Factory default*;



- » **Step 3:** on the page that opens, click on the *Yes* button to restore the settings.

Tem certeza que deseja retornar ao padrão de fábrica?
Obs.: suas configurações atuais serão perdidas.

Não

Sim

- » **Step 4:** wait while the configuration is restored. The restoration process will have finished when the product LED stops flashing and will then turn red.

5. Firmware update

To update the firmware of your IWE 3001, it is necessary to:

- » **Step 1:** download the latest firmware version available from Intelbras website: www.intelbras.com.br/downloads;
- » **Step 2:** connect to the IWE 3001 network.
- » **Step 3:** access the IWE 3001 configuration interface;
- » **Step 4:** click on the menu and select the option *Update firmware*;




- » **Step 5:** click on the search button  and then select the firmware file you downloaded from Intelbras' website;

Arquivo:

- » **Step 6:** click on the *Update* button and wait for the process to finish, which can take up to 5 minutes. Follow the directions displayed by the product interface.

6. Frequently Asked Questions

What can I do if I cannot configure IWE 3001 either via WPS or web browser?	<p>Option 1: restart the equipment of your main network (router, modem, etc.) turning off and on again the electrical power. Then, configure IWE 3001 again by performing the procedures described in item 3.2. <i>Instalando e configurando como Repetidor Wi-Fi via navegador web</i>.</p> <p>Option 2: check if your router or modem allows your wireless signal to be repeated. If in doubt, contact the manufacturer or supplier of the equipment (your operator, for example). If you are not successful even performing the above procedures, please contact our support.</p>
What can I do to access the repeater after configuration?	<p>Option 1: connect to the repeater's Wi-Fi network and then access it via IP address <i>169.254.0.10</i>.</p> <p>Option 2: check the repeater's IP address on your main router's client list. The repeater should appear in the list under the name IWE 3001. You can also search the repeater in the list for the MAC address found on the product label.</p>
What to do when the IWE 3001 network disappears after configuration?	<p>After configuration, the repeater will change its network name to the same as your current network, so the IWE 3001 Wi-Fi network will not actually appear. If you wish to change the repeater's Wi-Fi setting, at the end of the wizard, click on <i>Advanced settings</i> and change the local network name and password.</p>
What to do when the connection gets slow?	<p>The repeater needs to be installed in a location where it receives a good signal from your router; try changing the repeater's installation location and test the connection again.</p>
What to do when IWE 3001 Wi-Fi network is not found?	<p>Option 1: if the product LED is green and not flashing, the IWE 3001 network will not appear because the product is already configured. If you need to configure IWE 3001 again, you must refer to item 4. <i>Restaurando as configurações de fábrica</i>. After restoring, you must configure the product again.</p> <p>Option 2: try updating the Wi-Fi network list of your device; you can do this, for example, by the button  on the network list of Windows® 7, or try disabling and enabling Wi-Fi again on your device. If you do not find this option, you can restart your device and try again.</p> <p>Option 3: try accessing from another device, for example, computer, smartphone or tablet.</p>
I changed the Wi-Fi network name and/or password of my main router. Do I need to reconfigure the IWE 3001 as a repeater?	<p>Yes. Whenever you change the Wi-Fi network name or password on your main router, you will need to configure the new values on IWE 3001. To do so, you can:</p> <p>Option 1: restore IWE 3001 to factory default settings and then configure it again</p> <p>Option 2: connect to the IWE 3001 network and then access the product web interface at http://meurepetidor.local or http://169.254.0.10. You will then have to select the option <i>Configure Wi-Fi Repeater</i> from the menu and perform the configuration following the interface guidelines.</p>

Warranty term

It is expressly stated that this contractual warranty is given subject to the following conditions:

Name of customer:

Signature of the customer:

No. of the invoice:

Date of purchase:

Model:

Serial No:

Reseller:

1. All parts and components of the product are under warranty against possible manufacturing defects, which may present, for a period of 5 (five) years – comprising 3 (three) months of legal warranty and 57 (fifty seven) months of contractual warranty –, counted from the date of purchase of the product by the Consumer, as stated in the invoice of purchase of the product, which is part of this Term throughout the national territory. This contractual warranty includes the free exchange of parts and components that have a manufacturing defect, including the expenses with the labor used in this repair. If there is no manufacturing defect, but flaw(s) from improper use, the Consumer will bear these expenses.
2. The product installation must be done in accordance with the Product Manual and/or Installation Guide. If your product needs to be installed and configured by a qualified technician, look for a suitable and specialized professional, and the costs of these services are not included in the value of the product.
3. If you notice a defect, you should immediately contact the nearest Authorized Service listed by the manufacturer – only they are authorized to examine and remedy the defect during the warranty period provided herein. If this is not adhered to, this warranty will lose its validity, as it will be characterized as the violation of the product.
4. In the event that the Customer requests home care, the Customer should refer to the nearest Authorized Service for the technical visit fee. If the need for withdrawal of the product is found, the expenses arising, such as transportation and safety to and from the product, are under the responsibility of the Consumer.
5. The warranty will totally lose its validity in the event of any of the following: a) if the defect is not of manufacture, but caused by the Consumer or by third parties alien to the manufacturer; b) if the damage to the product comes from accidents, claims, agents of nature (lightning, floods, landslides, etc.), humidity, mains voltage (overvoltage caused by accidents or excessive mains fluctuations), installation/use in disagreement with the user manual or due to natural wear of parts, pieces and components; c) if the product has been influenced by chemical, electromagnetic, electrical or animal (insects, etc.); d) if the product's serial number has been tampered with or erased; e) if the device has been violated.
6. This warranty does not cover loss of data, so it is recommended, if the product is concerned, that the Consumer make a regular backup copy of the data contained in the product.
7. Intelbras is not responsible for the installation of this product and also for any attempts of fraud and/or sabotage on its products. Keep software and application updates, if any, up to date, as well as network protections necessary to protect against hackers. The equipment is under warranty against flaws within its normal conditions of use, and it is important to be aware that, since it is an electronic equipment, it is not free from frauds and scams that may interfere with its correct functioning.

As these are the conditions of this Term of Additional Guarantee, Intelbras S/A reserves the right to change the general, technical and aesthetic characteristics of its products without prior notice.

The manufacturing process of this product is not covered by ISO 14001 requirements.

All images in this manual are illustrative.

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talk to us

Customer Support: (48) 2106 0006

Forum: forum.intelbras.com.br

Support via chat: intelbras.com.br/suporte-tecnico

Support via e-mail: suporte@intelbras.com.br

Customer Service: 0800 7042767

Where to buy? Who installs it? 0800 7245115

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CNPJ 82.901.000/0014-41 – www.intelbras.com.br

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