

RE11S

Guida di installazione rapida

11-2020 / v2.1

Edimax Technology Co., Ltd.

No. 278, Xinhu 1st Rd., Neihu Dist., Taipei City, Taiwan

Email: support@edimax.com.tw

Edimax Technology Europe B.V.

Fijenhof 2, 5652 AE Eindhoven, The Netherlands

Email: support@edimax.nl

Edimax Computer Company

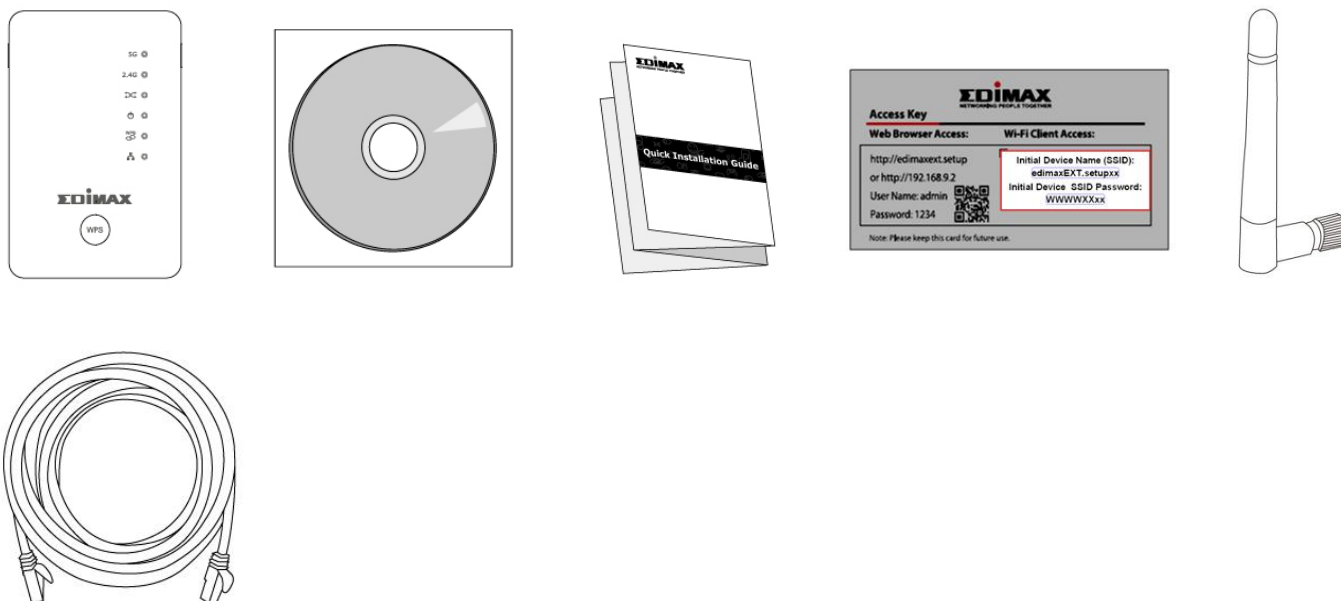
3444 De La Cruz Blvd., Santa Clara, CA 95054, USA

Live Tech Support: 1(800) 652-6776

Email: support@edimax.com

I. Informazioni sul prodotto

I-1. Contenuti della confezione



- Unità di estensione RE11S x 1
- CD con guida di installazione rapida multilingue e manuale utente
- Guida di installazione rapida (QIG)
- Scheda con chiave di accesso
- 2 x antenna
- Cavo RJ45

I-2. Requisiti di sistema

- Unità di estensione Wi-Fi/modalità bridge Wi-Fi: Rete wireless esistente da 2,4GHz e/o 5GHz.
- Modalità punto di accesso: Modem cavo/DSL.
- Computer dotato di adattatore Wi-Fi 2,4GHz 802,11/b/g/n e browser di navigazione per la configurazione del software.
- Configurazione per smartphone: iOS 4.3 o Android 4.x e versione superiore.

I-3. LED di stato

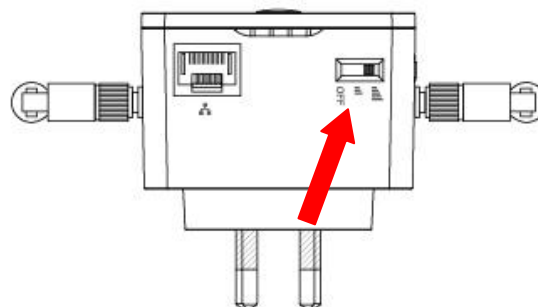


Tutti i LED sono disattivati in modalità green. La miglior potenza di segnale si ha tra il 60 e l'80%, una potenza superiore all'80% potrebbe rendere l'unità di estensione poco efficace a causa dell'eccessiva vicinanza al router.

LED	Colore	Stato	Descrizione
Segnale 5GHz	Blu	Acceso	Posizione eccellente. Potenza del segnale: 60 – 80%
		Lampeggia lentamente	Posizione buona. Potenza del segnale: 40 – 60% e 80 - 100%
		Lampeggia rapidamente	Posizione scarsa. Potenza del segnale: Inferiore al 40%
		Spento	Nessun segnale rilevato.
Segnale 2,4GHz	Blu	Acceso	Posizione eccellente. Potenza del segnale: 60 – 80%
		Lampeggia lentamente	Posizione buona. Potenza del segnale: 40 – 60% e 80 - 100%
		Lampeggia rapidamente	Posizione scarsa. Potenza del segnale: Inferiore al 40%
		Spento	Nessun segnale rilevato.
Stato di roaming	Verde	Acceso	Extender è un dispositivo master.
		Lampeggiante	Sincronizzazione dei dati.
		Spento	Extender è un dispositivo slave.
Potenza	Verde	Acceso	L'unità di estensione è accesa.
		Lampeggiante	Ripristino alle impostazioni predefinite di fabbrica, oppure il sistema si sta avviando.
		Spento	L'unità di estensione è spenta.
WPS	Verde	Acceso	Connessione WPS stabilita (il LED rimarrà acceso per 30 secondi per indicare che la connessione è stata stabilita).
		Lampeggiante	WPS in corso (in attesa di un altro dispositivo WPS).
		Spento	Nessun WPS in corso.
LAN	Verde	Acceso	Porta LAN connessa.
		Spento	Porta LAN non connessa.

I-4. Interruttore

RE11S è dotato di un interruttore hardware collocato nella parte inferiore del dispositivo. L'interruttore è in grado di selezionare le modalità normale, green e sleep, come mostrato nella tabella di seguito. La dicitura "Wi-Fi power" ("potenza Wi-Fi) si riferisce alla potenza del segnale radio wireless (Tx) dell'unità di espansione.



Nel caso in cui l'unità di estensione sia utilizzata in uno spazio di piccole o medie dimensioni, potrebbe non essere necessario impiegare il segnale wireless alla massima potenza. Testate il segnale e verificate se la copertura Wi-Fi risulta adeguata utilizzando la modalità green. In questo caso potrete risparmiare energia.

Modalità	Posizione dell'interruttore	Descrizione
Normale	Alzato	Potenza Wi-Fi al 100%
Modalità Green	Medio	Potenza Wi-Fi al 25%
Modalità Sleep	Abbassato	Wi-Fi & LED spenti & Porta Ethernet disattivata



La potenza Tx può essere regolata anche attraverso la U.I. (interfaccia utente) accessibile online. (Amministrazione → Wireless). Impostare l'interruttore su "normal" prima di regolare il valore Tx nella U.I. accessibile online.

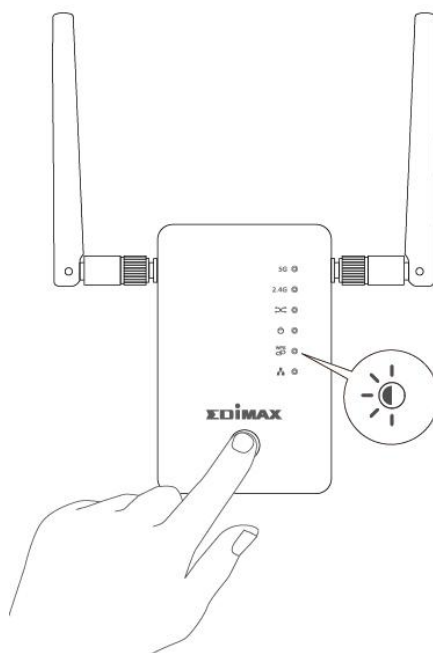
II. Aggiungere RE11S alla tua rete

L'aggiunta dell'unità di estensione RE11S alla tua rete è semplice grazie al pulsante WPS. Le nuove unità di estensione seguono automaticamente le impostazioni Wi-Fi dell'unità RE11S master collegata al tuo router.



Se non hai ancora configurato un'unità di estensione master, segui quanto riportato nel capitolo successivo III Installazione master e procedi all'installazione.

- 1.** Premere e tenere premuto il pulsante WPS dell'unità di estensione master per **3 secondi**.
- 2.** Entro i due minuti successivi tieni premuto il pulsante WPS presente sulla nuova unità di estensione che desideri aggiungere per **3 secondi** (entro il raggio d'azione della tua unità di estensione master). Il LED WPS **verde** dell'unità di estensione dovrebbe lampeggiare per indicare che è in corso il WPS.
- 3.** Attendere mentre i dispositivi stabiliscono la connessione. **Potrebbero volerci fino a 2 minuti.**
- 4.** Il LED WPS **verde** di entrambe le unità di estensione deve visualizzare on per 30 secondi per indicare che è stata stabilita una connessione. (Altrimenti, riavviare ciascun dispositivo e riprovare). Il roaming sarà automaticamente disponibile.



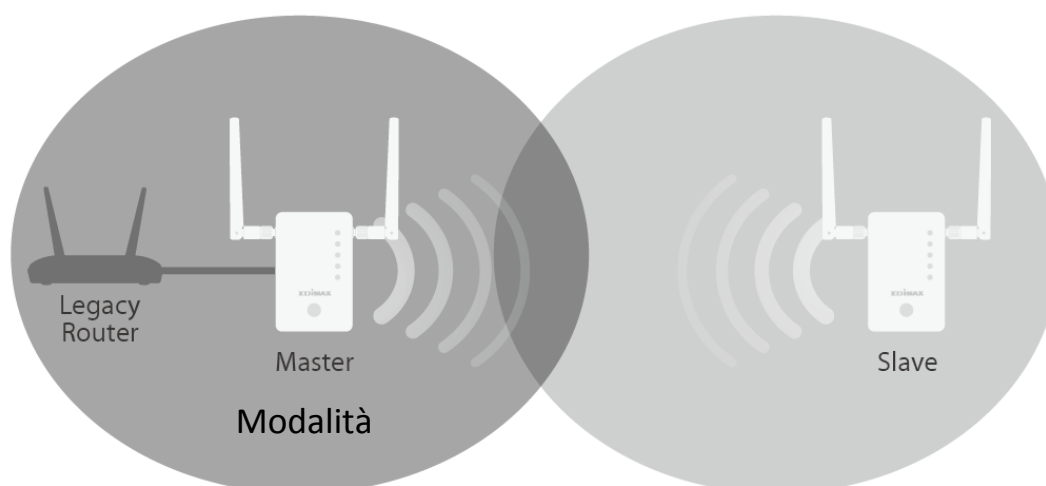
III. Installazione master

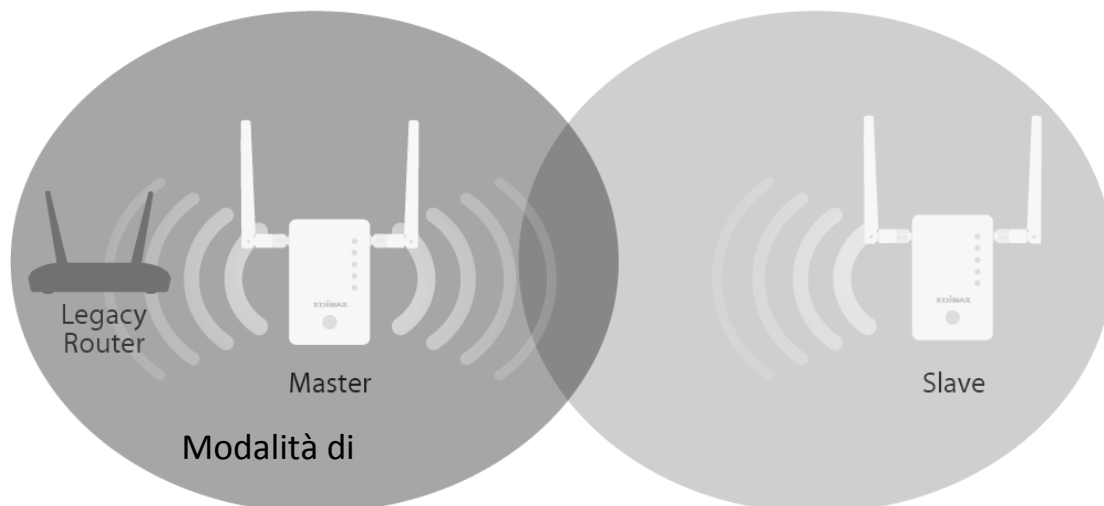
Le unità di estensione RE11S supportano il roaming. Ciò significa che con la configurazione di due o più dispositivi roaming, i vostri dispositivi Wi-Fi (smartphone, tablet ecc.) si connetteranno automaticamente al miglior segnale Wi-Fi disponibile.




Basta installare un'unità di estensione per avviare il collegamento alla rete Wi-Fi esistente. Tale unità di estensione funzionerà come **master.**

Sarà quindi possibile aggiungere ulteriori unità di estensione semplicemente utilizzando il pulsante WPS. Tali unità agiranno come **slave** e seguiranno automaticamente le impostazioni Wi-Fi del dispositivo **master**.





Ogni RE11S può funzionare in una delle tre modalità. Per utilizzare il roaming, configurare la propria unità di estensione **master** in modalità **Unità di estensione Wi-Fi** o **Punto di accesso Wi-Fi**.

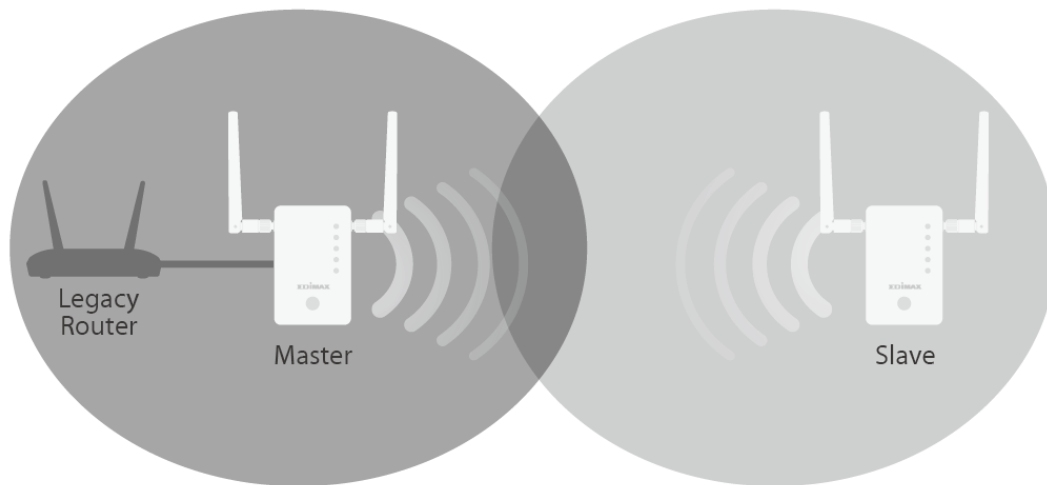
 ***Si prega di verificare che il server DHCP del router sia abilitato. Nel caso della maggior parte dei router tale server viene abilitato automaticamente. Nel caso in cui il vostro server DHCP sia disabilitato, sarà necessario assegnare un indirizzo IP alle vostre unità di estensione. Consultare il manuale d'uso per ulteriori istruzioni.***

Ulteriori unità di estensione (slave) saranno automaticamente impostate in modalità Unità di estensione Wi-Fi attraverso il pulsante WPS.

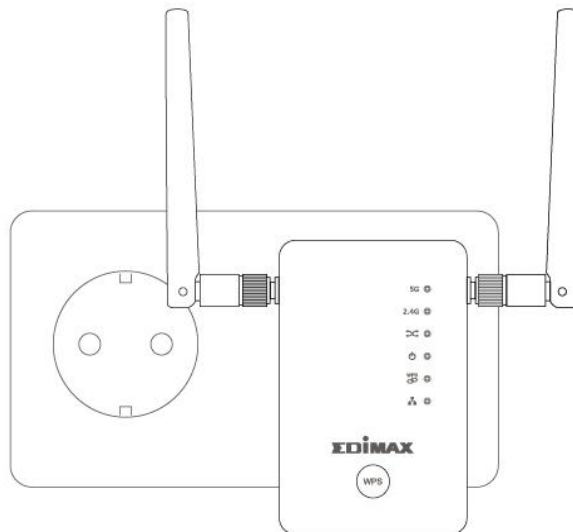
Unità di estensione Wi-Fi	<p><i>Il dispositivo si collega senza fili alla rete esistente e ripete il segnale wireless.</i></p> <p>Posizione: La posizione ottimale per l'unità di estensione è circa nel mezzo tra il router/punto di accesso wireless esistente e il punto morto. L'unità di estensione deve ricevere un buon segnale Wi-Fi dal router/punto di accesso.</p>
Punto di accesso Wi-Fi	<p><i>Il dispositivo si collega a un router esistente tramite il cavo Ethernet e fornisce l'accesso Internet wireless per i dispositivi di rete.</i></p> <p>Posizione: collegamento al router tramite cavo Ethernet.</p>
Bridge Wi-Fi (Adattatore Wi-Fi)	<p><i>Il dispositivo si connette ad altri dispositivi Ethernet, ad esempio una console di gioco o una smart TV, tramite cavo Ethernet offrendo un accesso wireless a Internet.</i></p> <p>Posizione: all'interno della copertura Wi-Fi, vicino al dispositivo di rete cablato.</p>

III-1. Modalità Punto di Accesso

Il dispositivo si collega a un router esistente tramite il cavo Ethernet e fornisce l'accesso Internet wireless per i dispositivi di rete.



1. Collegare la porta di rete del vostro RE11S alla porta LAN del router esistente per mezzo di un cavo Ethernet.
2. Collegare RE11S in una presa di alimentazione.



3. Il LED di alimentazione **verde lampeggerà** durante l'avvio dell'unità di estensione. Il dispositivo è pronto quando il LED di alimentazione **verde** mostra **on**.

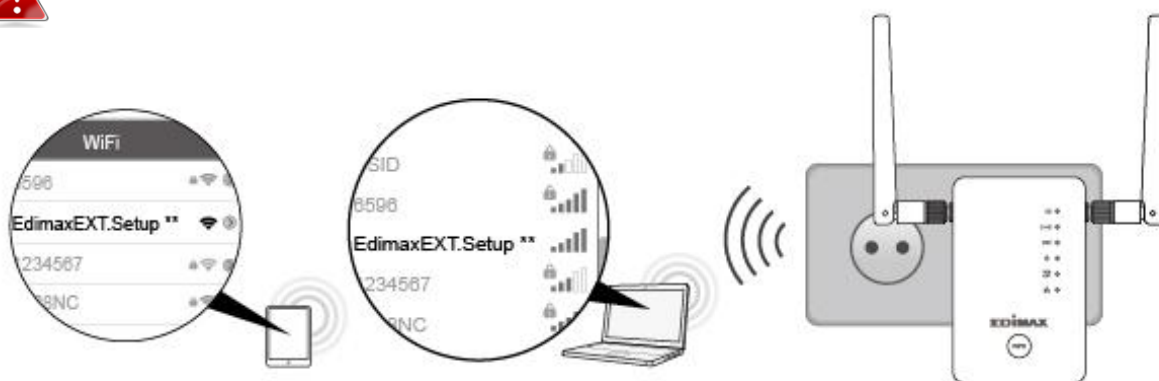
4. Si faccia riferimento all'SSID di default per il Wi-Fi e alla password stampata sull'Access Key Card per connettersi alla rete Wi-Fi.



Per informazioni su come connettere il vostro dispositivo alla rete Wi-Fi, si veda **V. Come eseguire la connessione Wi-Fi sui vostri dispositivi.**

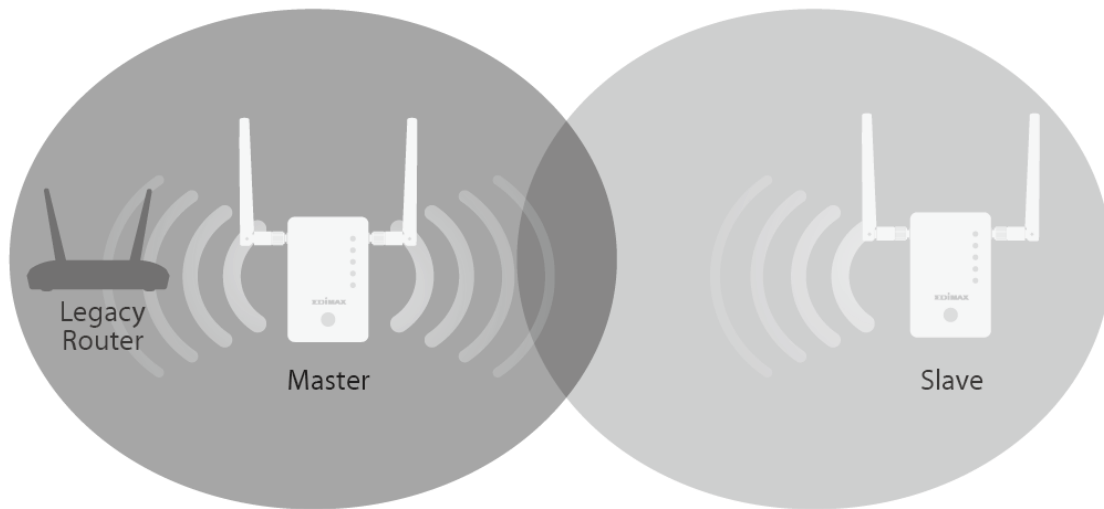


Se si sta utilizzando un computer, scollegare i cavi Ethernet.

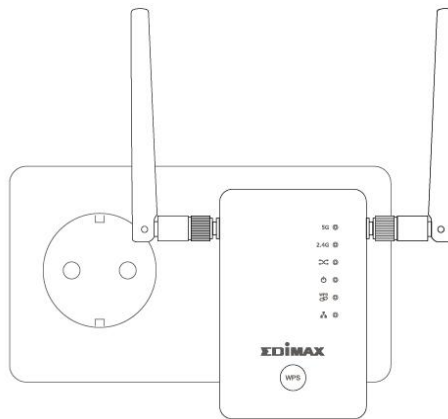


III-2. Modalità di estensione Wi-Fi

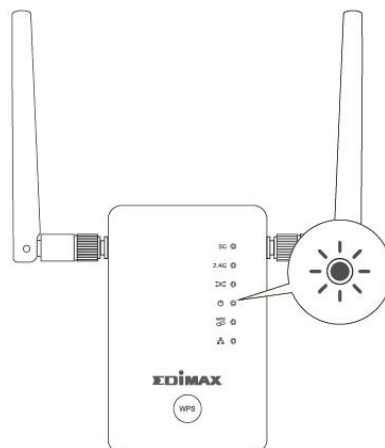
Il dispositivo si collega senza fili alla rete esistente e ripete il segnale wireless.



1. Collegare RE11S in una presa di alimentazione.



2. Il LED di alimentazione **verde lampeggerà** durante l'avvio dell'unità di estensione. Il dispositivo è pronto quando il LED di alimentazione **verde** mostra **on**.



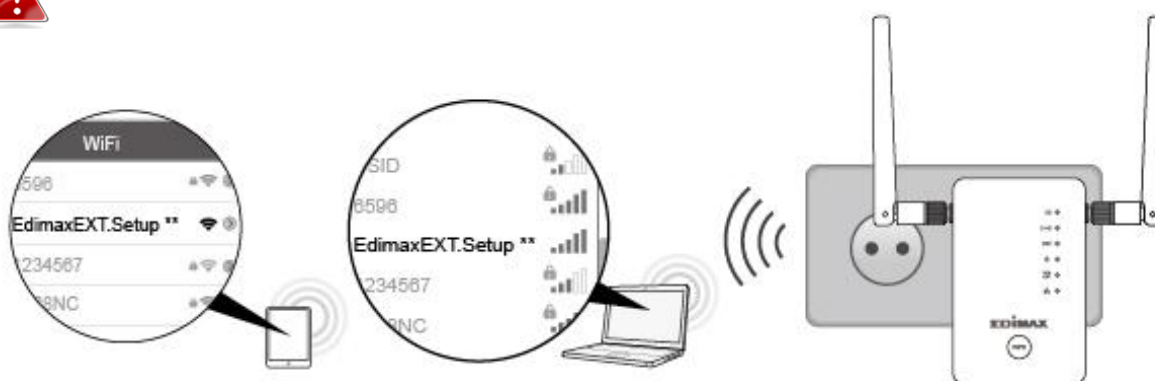
3. Utilizzare un dispositivo Wi-Fi per collegarsi all'SSID “EdimaxEXT.Setup **”. L'SSID di default del Wi-Fi e la password sono stampate sull'Access Key Card.



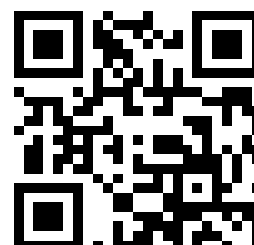
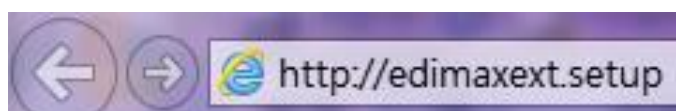
Per informazioni su come connettere il vostro dispositivo alla rete Wi-Fi, si veda **V. Come eseguire la connessione Wi-Fi sui vostri dispositivi.**



Se si sta utilizzando un computer, scollegare i cavi Ethernet.



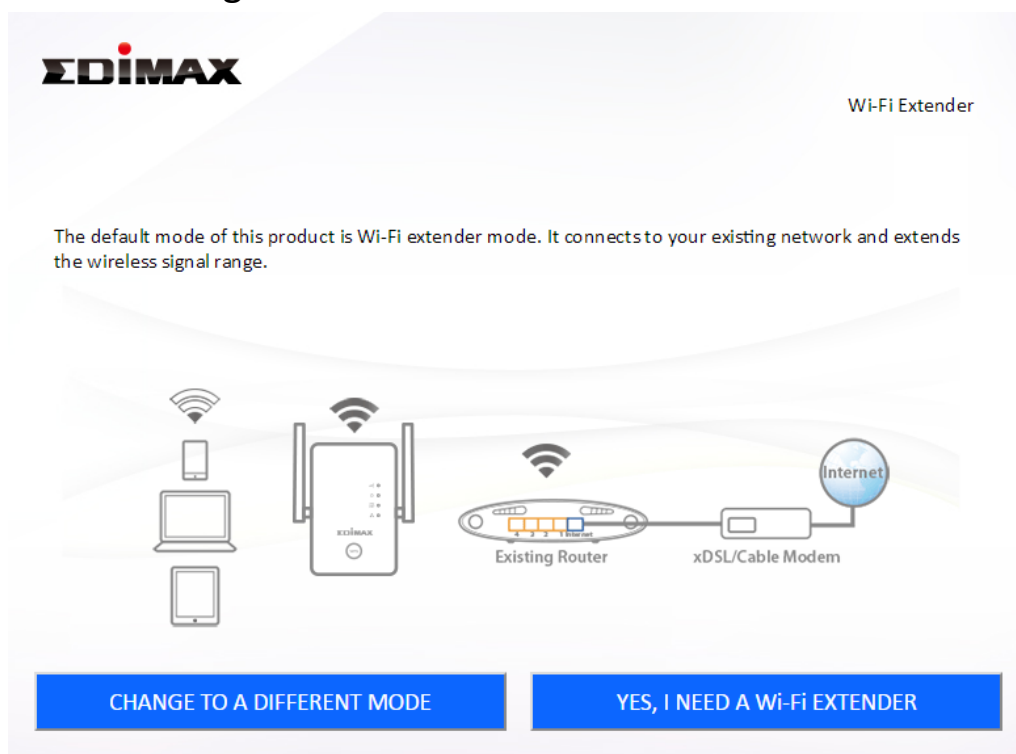
4. Aprire un browser web e se la schermata “Per iniziare” mostrata di seguito non appare in automatico, inserire l'URL <http://edimaxext.setup> oppure **scansionare il QR-Code qui sotto**, quindi fare clic su “**Per iniziare**” per avviare la procedura di configurazione.





Se non è possibile accedere a <http://edimaxext.setup>, assicurarsi che il computer sia impostato per utilizzare un indirizzo IP dinamico. **Per ulteriori informazioni, consultare il manuale d'uso.**

5. Selezionare “Sì, necessito di un'unità di estensione di campo” per continuare la configurazione come unità di estensione Wi-Fi.



- 6.** Seguire le istruzioni che appaiono sullo schermo per completare la configurazione della modalità selezionata. Il prodotto può essere configurato per 2,4 GHz e/o 5GHz Wi-Fi.



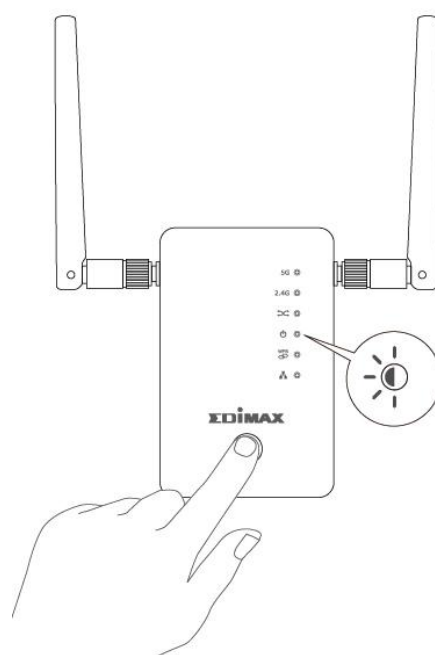
Per passare i dispositivi da "master" a "slave", scollegare i cavi Ethernet e resettare i dispositivi alle impostazioni di fabbrica, quindi riavviare la procedura di configurazione.

IV. Reimpostazione dell'unità di estensione

Se si riscontrano problemi con l'unità di estensione o se si desidera passare a un'altra modalità di funzionamento dell'unità di estensione, è possibile ripristinare il dispositivo alle impostazioni di fabbrica. Questa operazione ripristina **tutte** le impostazioni a quelle predefinite.

- 1.** Premere e tenere premuto il pulsante WPS per almeno 10 secondi e rilasciarlo quando il LED di alimentazione **verde lampeggia**.

- 2.** Attendere il riavvio dell'unità di estensione.
L'unità di estensione è pronta per la configurazione quando il LED di alimentazione **verde** visualizza **on**.



V. Connessione a una rete Wi-Fi

V-1. iOS

Dalla schermata Home, selezionare Impostazioni--> Wi-Fi.

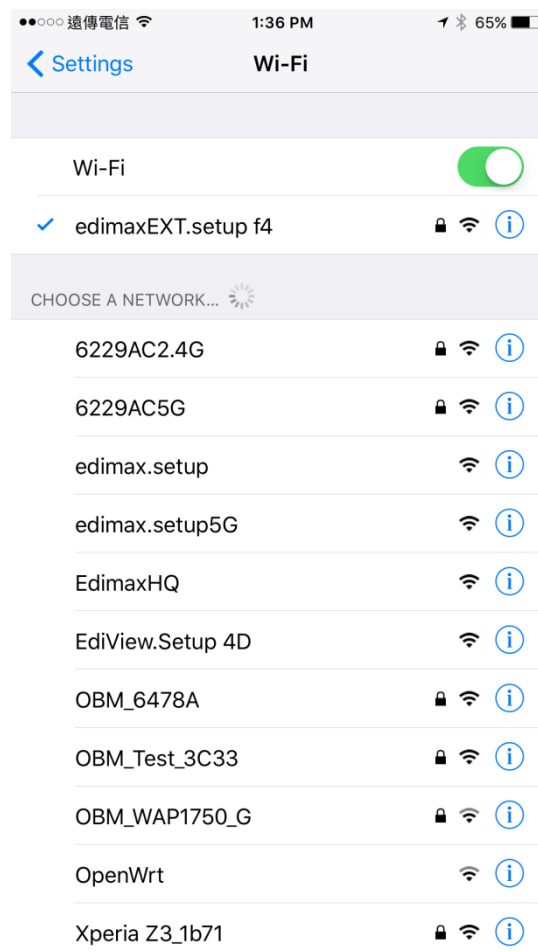
1. Attivare il Wi-Fi

Il vostro dispositivo effettuerà automaticamente la ricerca delle reti Wi-Fi disponibili.

2. Nell'elenco delle reti Wi-Fi disponibili, scegliere "EdimaxEXT.setup **". Gli ultimi due ** caratteri sono unici e dipendono dal dispositivo. L'SSID è stampato sull'Access Key Card.

3. Digitare la password stampata sull'Access Key Card.

4. Una volta connesso, sarà visibile accanto alla rete, nell'angolo superiore sinistro dello schermo.



V-2. Android

Dalla schermata Home, selezionare Impostazioni--> Wi-Fi.

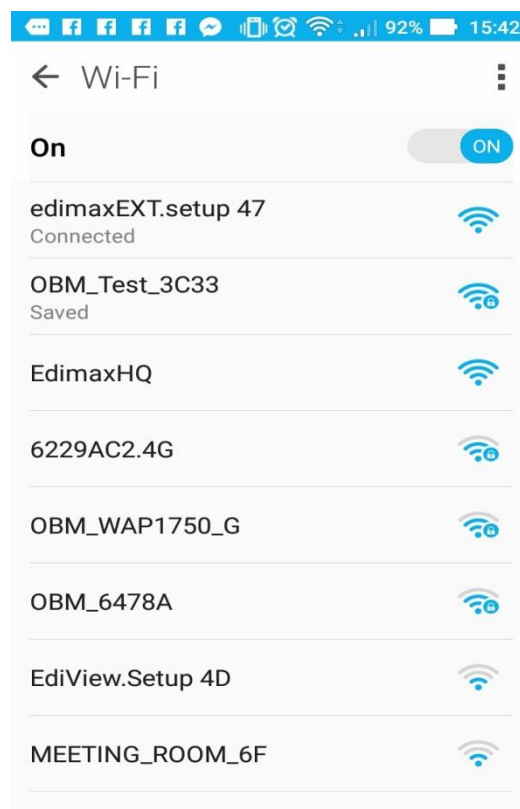
1. Attivare il Wi-Fi

Il vostro dispositivo effettuerà automaticamente la ricerca delle reti Wi-Fi disponibili.

2. Nell'elenco delle reti Wi-Fi disponibili, scegliere "EdimaxEXT.setup **". Gli ultimi due ** caratteri sono unici e dipendono dal dispositivo. L'SSID è stampato sull'Access Key Card.

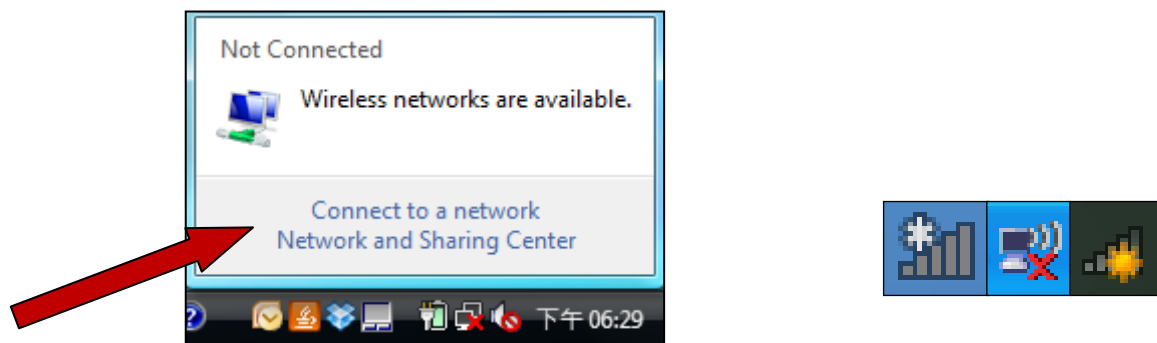
3. Digitare la password stampata sull'Access Key Card.

4. Una volta connesso alla rete, sarà presente la dicitura **Connesso** sotto l'SSID di rete e nell'angolo in alto a destra dello schermo.

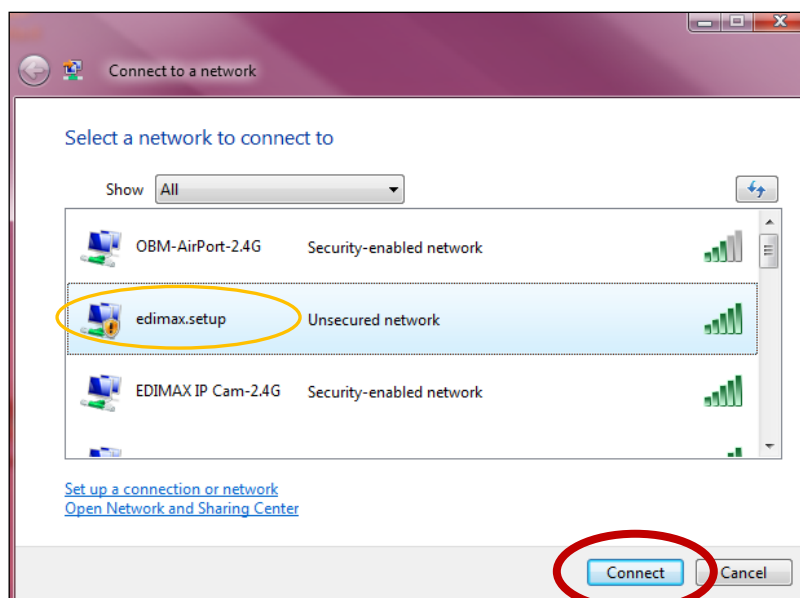


V-3. Windows

1. Fare clic sull'icona della rete (🔌, 📶 o 📶❌) nella barra di sistema e selezionare **“Connettiti a una rete”**.



2. Selezionare "EdimaxEXT.setup **". Gli ultimi due ** caratteri sono unici e dipendono dal dispositivo. L'SSID è stampato sull'Access Key Card.



3. Digitare la password stampata sull'Access Key Card.
4. Dopo aver inserito correttamente la password, la connessione alla rete wireless RE11S avverrà con successo.

V-4. Mac

1. Fare clic sull'icona Wi-Fi collocata nel menù in alto a destra nella schermata, quindi selezionare la rete Wi-Fi **EdimaxEXT.setup ****.
2. Digitare la password stampata sull'Access Key Card.

 ***Gli ultimi due ** caratteri sono unici e dipendono dal dispositivo.***



COPYRIGHT

Copyright © Edimax Technology Co., Ltd. all rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission from Edimax Technology Co., Ltd.

Edimax Technology Co., Ltd. makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability, or fitness for any particular purpose. Any software described in this manual is sold or licensed as is. Should the programs prove defective following their purchase, the buyer (and not this company, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any defect in the software. Edimax Technology Co., Ltd. reserves the right to revise this publication and to make changes from time to time in the contents hereof without the obligation to notify any person of such revision or changes.

The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. The software and specifications are subject to change without notice. Please visit our website www.edimax.com for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

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 FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, 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 or more of the following measures:

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

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device 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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RED Compliance Statement

Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. Transmit Power (dBm)
2412-2472	19.97 dBm
5150-5250	22.83 dBm

A simplified DoC shall be provided as follows: Article 10(9)

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment type **AC1200 Dual-Band Wi-Fi Extender** is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: <http://www.edimax.com/edimax/global/>

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU, 2014/35/EU.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/53/EU, 2014/35/EU.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/53/EU, 2014/35/EU.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/53/EU, 2014/35/EU.
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2014/53/UE, 2014/35/UE.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2014/53/EU, 2014/35/EU.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/53/EU, 2014/35/EU).
- Türkçe:** Bu cihaz 2014/53/EU, 2014/35/EU direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2014/53/EU, 2014/35/EU.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/53/EU, 2014/35/EU.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/53/EU, 2014/35/EU.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 2014/53/EU, 2014/35/EU.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/53/EU, 2014/35/UE.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/53/EU, 2014/35/EU.
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 2014/53/EU, 2014/35/EU.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/53/EU, 2014/35/EU.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/53/EU, 2014/35/EU.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/53/EU, 2014/35/EU.
- suomen kieli:** Tämä laite täyttää direktiivien 2014/53/EU, 2014/35/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN AT BE CY CZ DK EE FI FR DE GR HU
IE IT LV LT LU MT NL PL PT SK SI ES SE
GB IS LI NO CH BG RO RU TR UA



WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European Radio Equipment directives.

Equipment: AC1200 Dual-Band Wi-Fi Extender
Model No.: RE11S

The following European standards for essential requirements have been followed:

Directives 2014/53/EU

Spectrum : EN 300 328 V2.1.1 (2016-11)
EN 301 893 V2.1.1 (2017-05)
EMC : EN 301 489-1 V2.2.0 (2017-03)
EN 301 489-17 V3.2.0 (2017-03)
EMF : EN 62311:2008
Safety (LVD) : IEC 62368-1:2014 (2nd Edition) and/or EN 62368-1:2014+A11:2017

Edimax Technology Europe B.V.
Fijenhof 2,
5652 AE Eindhoven,
The Netherlands

Printed Name: David Huang
Title: Director
Edimax Technology Europe B.V.

a company of:
Edimax Technology Co., Ltd.
No. 278, Xinhua 1st Rd.,
Neihu Dist., Taipei City,
Taiwan



Date of Signature: Nov., 2020

Signature:

Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.

Notice According to GNU General Public License Version 2

This product includes software that is subject to the GNU General Public License version 2. The program is free software and distributed without any warranty of the author. We offer, valid for at least three years, to give you, for a charge no more than the costs of physically performing source distribution, a complete machine-readable copy of the corresponding source code.

Das Produkt beinhaltet Software, die den Bedingungen der GNU/GPL-Version 2 unterliegt. Das Programm ist eine sog. „Free Software“, der Autor stellt das Programm ohne irgendeine Gewährleistungen zur Verfügung. Wir bieten Ihnen für einen Zeitraum von drei Jahren an, eine vollständige maschinenlesbare Kopie des Quelltextes der Programme zur Verfügung zu stellen – zu nicht höheren Kosten als denen, die durch den physikalischen Kopiervorgang anfallen.

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The “Program”, below, refers to any such program or work, and a “work based on the Program” means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term “modification”.) Each licensee is addressed as “you”.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not

impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.