



# Jetlun Appliance Module

## User Guide

rev 1.0

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## 1.0 ABOUT THIS GUIDE

### 1.1 Becoming familiar with this User Guide

#### 1.1.1 Quick Reference

The Jetlun Gateway (RD75613) User Guide describes the following:




**Table 1: Where to find information in this User Guide**

Planning and Installing the Jetlun Appliance Module	Chapter 2 and 3
Configuring and maintaining the Jetlun Appliance Module	Chapter 4 and 5

#### 1.1.2 Icon Descriptions

While reading through the User Guide, you may see various icons that call attention to specific items. Below is a description of these icons:

**Table 2: Icon descriptions**

	<b>NOTE:</b> This mark indicates that there is a note of interest and is something that you should pay attention to while using the product.
	<b>IMPORTANT:</b> This mark identifies an indication that you should watch for, or reiterates something that you should always keep in mind.
	<b>WARNING:</b> This exclamation point indicates that there is a caution or warning and may be something that could damage your property or project.

### 1.2 Getting Additional Help

To get information or assistance for problems that you encounter, please contact Jetlun Technical Support by emailing [support@jetlun.com](mailto:support@jetlun.com).

Please always include with all inquiries the following information:

- Product name, model number, part number (if applicable) and serial number
- A description of the system configuration
- The circumstances surrounding the error or failure
- A detailed description of the problem and what has been done to try to resolve it

### 1.3 Sending Feedback regarding this Documentation

We welcome your feedback on Jetlun Gateway documentation. This includes feedback on the structure, content, accuracy, or completeness of our documents, and any other comments you may have. Please send your comments to [docs@jetlun.com](mailto:docs@jetlun.com).

## 2.0 PRODUCT OVERVIEW

Thank you for choosing the Jetlun Appliance Module (RD75613). The Appliance Module is a 3-prong, ZigBee® and HomePlug® enabled electrical wall module that can be plugged into a standard wall outlet to monitor the energy efficiency of any electrical appliance or device and can be remotely controlled. When used in conjunction with the Jetlun Gateway (RD75606), multiple outlets in the same home can be tracked individually or as a group over the Internet giving you unprecedented insight into and control over your household energy footprint.

With the Jetlun Appliance Module, you can:

- Measure and control the energy consumption of standard home electrical appliances or devices
- Gain insight into and control over your household energy footprint, improving your overall energy efficiency

## 2.1 Package Contents

When you first open the box, please check and confirm that the following items are all included:

- 1x Appliance Module RD75613
- 1x Quick Installation Guide





If any of the parts are incorrect, missing or damaged, contact the retailer where you made your purchase. Keep the carton, including the original packaging materials in case you need to return the unit for repair.

## 2.2 Front Panel

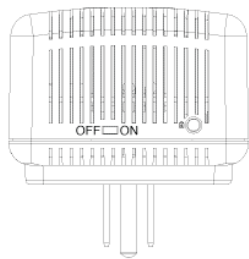


Figure 1: Front Panel of the Appliance Module

**Table 3: Front Panel LED Description**



	<p>The Power LED lights up GREEN and will stay on while the Appliance Module is powered on. When the Appliance Module goes through its self-diagnostic mode during every boot-up, this LED will flash GREEN. When the diagnostic cycle is complete, the LED will be GREEN and solidly lit. When the Appliance Module is operating on battery, the LED will flash RED. When the Appliance Module is recharging the battery, the LED will flash GREEN.</p>
	<p>The Zigbee LED continuously lights up GREEN when the Appliance Module is successfully connected to another Zigbee device on the network. If the LED is flashing, the Appliance Module is actively sending or receiving data over the network. If the LED is flashing RED, the Appliance Module is experiencing collisions on the network.</p>
	<p>The HomePlug LED continuously lights up GREEN when the Appliance Module is successfully connected to another HomePlug device on the network. If the LED is flashing, the Appliance Module is actively sending or receiving data over the network. If the LED is flashing RED, the Appliance Module is experiencing collisions on the network.</p>
	<p>The Zigbee Security LED is lit GREEN when it is connected to a Zigbee device on the network. If the LED is OFF, then the Appliance Module is not connected to a Zigbee network.</p>

**2.3 Bottom Panel**



**Figure 2: Bottom Panel of the Gateway**

**Table 4: Bottom Panel of the Gateway Description**

	<p>The Battery switch is where you turn on/off the backup battery in the Appliance Module. By default, the Appliance Module battery is turned OFF. It is recommended that you turn the battery to the ON position during installation.</p>
	<p>The Zigbee security button allows you to join/ leave a Zigbee network. Press the Zigbee security button for 4 seconds (until the Zigbee security LED is lit on the front panel) means you have successfully join the network. Press the Zigbee security button for 7 seconds or longer (until the Zigbee security LED is off on the front panel) means you have successful left the Zigbee network.</p>



### 3.0 INSTALLING THE JETLUN APPLIANCE MODULE

Follow these quick steps to install your Jetlun Appliance Module.

#### 3.1 Connecting the Jetlun Appliance Module to your Router

➡ **STEP 1:** Turn ON the battery switch located on the bottom panel of the Appliance Module.

➡ **STEP 2:** Plug the Appliance Module directly into a wall socket.



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**IMPORTANT:** Do not plug the Appliance Module into a UPS, power strip, or other similar device with surge protection. The Appliance Module has its own power filter for protection against surges.

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➡ **STEP 4:** Refer to the Jetlun Gateway RD75606 User Guide on how to monitor and control the Appliance Module through the Jetlun Gateway User Interface.

#### 3.2 Joining a Zigbee Network

➡ **STEP 1:** With the Appliance Module plugged into the wall socket, press and hold the Zigbee security button located on the bottom panel of the Appliance Module for four (4) seconds or until the Zigbee security LED is lit on the front panel of the Appliance Module.

#### 3.3 Leaving a Zigbee Network

➡ **STEP 1:** With the Appliance Module plugged into the wall socket, press and hold the Zigbee security button located on the bottom panel of the Appliance Module for seven (7) seconds or until the Zigbee security LED is OFF on the front panel of the Appliance Module.

## 5.0 LEGAL AND REGULATORY NOTICES

### 5.1 Important Note of Modifications

Intentional or unintentional changes or modifications to the equipment must not be made unless under the express consent of the party responsible for compliance. Any such modifications could void the user's authority to operate the equipment and will void the manufacturer's warranty.

### 5.2 National and Regional Regulatory Notices

#### ***5.2.1 Federal Communications Commission (FCC) Notifications***

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.

Note: 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 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 or on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

#### **FCC RF Radiation Exposure Statement**

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

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

**5.2.2 Declarations of Conformity**

A signed declaration of conformity to the requirements of the Council of the European Communities follows:

Deutsche [German]	Hiermit erklärt Jetlun, dass sich diese <i>Jetlun Appliance Module (RD75613)</i> , in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet. (BMW)
	Hiermit erklärt Jetlun die Übereinstimmung des Gerätes <i>Jetlun Appliance Module (RD75613)</i> , mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien)
English	Hereby, Jetlun, declares that this <i>Jetlun Appliance Module (RD75613)</i> , is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente Jetlun declara que le <i>Jetlun Appliance Module (RD75613)</i> , cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Français [French]	Par la présente Jetlun declare que l'appareil <i>Jetlun Appliance Module (RD75613)</i> , est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
	Par la présente, Jetlun declare que ce <i>Jetlun Appliance Module (RD75613)</i> , est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables.

## DECLARATION OF CONFORMITY

Jetlun declares under its sole responsibility that the products, to which this declaration relates, conform to the applicable essential requirements of the following Directive(s) of the Council of the European Communities:

- 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on the radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity (R&TTE Directive).
- 89/336/EEC of 3 May 1989 on the approximation of the laws of the Member States relating to electromagnetic compatibility (EMC Directive).
- 72/23/EEC of 19 February 1973 on the harmonization of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits (LV Directive).

Product: Jetlun Gateway **RD75606X**

Where "X" = "C", "G"

Model Number	Description
RD75606C	Jetlun Gateway Type C Plug – 2 round pin European
RD75606G	Jetlun Gateway Type G Plug – UK pin

Manufacturer: Jetlun Corporation

Conformity: Harmonized standards used to demonstrate conformity:

The products have been shown to meet the following requirements:

- a) Safety – certified to EN 60950-1:2001+A11:2004 First Edition
- b) EMC – certified to meet EN55022:1998+A1:2000+A2:2003 (class B), EN55024:1998+A1:2001+A2:2003, CISPR/xyz/DPAS CISPR 22 A2 f9 Ed 4.0 with T-ISO, EN 61000-3-2:2000+A2:2005, EN 61000-3-3+A1:2001+A2:2005

Year of first application of CE mark: 2009

Notified Body number: 0682

Notified Body address: CETECOM ICT Services GmbH, Untertürkheimer Straße 6-10, D-66117 Saarbrücken, Germany

Signature:

\_\_\_\_\_  
Name: TK Chan  
Title: CTO  
Date: MM/DD/YY

### 5.3 User Information for Consumer Products Covered by EU Directive 2002/96/EC on Waste Electric and Electronic Equipment (WEEE)

This document contains important information for users with regards to the proper disposal and recycling of Jetlun products. Consumers are required to comply with this notice for all electronic products bearing the following symbol:



#### **Български (Bulgarian) - Информация относно опазването на околната среда за потребители в Европейския съюз**

Европейска директива 2002/96/ЕС изисква уредите, носещи този символ върху изделието и/или опаковката му, да не се изхвърлят с несортирани битови отпадъци. Символът обозначава, че изделието трябва да се изхвърля отделно от сметосъбирането на обикновените битови отпадъци. Ваша е отговорността този и другите електрически и електронни уреди да се изхвърлят в предварително определени от държавните или общински органи специализирани пунктове за събиране. Правилното изхвърляне и рециклиране ще спомогнат да се предотвратят евентуални вредни за околната среда и здравето на населението последствия. За по-подробна информация относно изхвърлянето на вашите стари уреди се обърнете към местните власти, службите за сметосъбиране или магазина, от който сте закупили уреда.

#### **Ceština (Czech) - Informace o ochraně životního prostředí pro zákazníky v zemích Evropské unie**

Evropská směrnice 2002/96/ES zakazuje, aby zařízení označené tímto symbolem na produktu anebo na obalu bylo likvidováno s netřířděným komunálním odpadem. Tento symbol udává, že daný produkt musí být likvidován odděleně od běžného komunálního odpadu. Odpovídáte za likvidaci tohoto produktu a dalších elektrických a elektronických zařízení prostřednictvím určených sběrných míst stanovených vládou nebo místními úřady. Správná likvidace a recyklace pomáhá předcházet potenciálním negativním dopadům na životní prostředí a lidské zdraví. Podrobnější informace o likvidaci starého vybavení si laskavě vyžádejte od místních úřadů, podniku zabývajícího se likvidací komunálních odpadů nebo obchodu, kde jste produkt zakoupili.

#### **Dansk (Danish) - Miljøinformation for kunder i EU**

EU-direktiv 2002/96/EF kræver, at udstyr der bærer dette symbol på produktet og/eller emballagen ikke må bortskaffes som usorteret kommunalt affald. Symbolet betyder, at dette product skal bortskaffes adskilt fra det almindelige husholdningsaffald. Det er dit ansvar at bortskaffe dette og andet elektrisk og elektronisk udstyr via bestemte

indsamlingssteder udpeget af staten eller de lokale myndigheder. Korrekt bortskaffelse og genvinding vil hjælpe med til at undgå mulige skader for miljøet og menneskers sundhed. Kontakt venligst de lokale myndigheder, renovationstjenesten eller den butik, hvor du har købt produktet, angående mere detaljeret information om bortskaffelse af dit gamle udstyr.

**Deutsch (German) - Umweltinformation für Kunden innerhalb der Europäischen Union**

Die Europäische Richtlinie 2002/96/EC verlangt, dass technische Ausrüstung, die direkt am Gerät und/oder an der Verpackung mit diesem Symbol versehen ist, nicht zusammen mit unsortiertem Gemeindeabfall entsorgt werden darf. Das Symbol weist darauf hin, dass das Produkt von regulärem Haushaltemüll getrennt entsorgt werden sollte. Es liegt in Ihrer Verantwortung, dieses Gerät und andere elektrische und elektronische Geräte über die dafür zuständigen und von der Regierung oder örtlichen Behörden dazu bestimmten Sammelstellen zu entsorgen. Ordnungsgemäßes Entsorgen und Recyceln trägt dazu bei, potentielle negative Folgen für Umwelt und die menschliche Gesundheit zu vermeiden. Wenn Sie weitere Informationen zur Entsorgung Ihrer Altgeräte benötigen, wenden Sie sich bitte an die örtlichen Behörden oder städtischen Entsorgungsdienste oder an den Händler, bei dem Sie das Produkt erworben haben.

**English - Environmental Information for Customers in the European Union**

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

**Eesti (Estonian) - Keskkonnaalane informatsioon Euroopa Liidus asuvatele klientidele**

Euroopa Liidu direktiivi 2002/96/EÜ nõuete kohaselt on seadmeid, millel on tootel või pakendil käesolev sümbol, keelatud kõrvaldada koos sorteerimata olmejäätmetega. See sümbol näitab, et toode tuleks kõrvaldada eraldi tavalistest olmejäätmevoogudest. Olete kohustatud kõrvaldama käesoleva ja ka muud elektri- ja elektroonikaseadmed riigi või kohalike ametiasutuste poolt ette nähtud kogumispunktide kaudu. Seadmete korrektna kõrvaldamine ja ringlussevõtt aitab vältida võimalikke negatiivseid tagajärgi keskkonnale ning inimeste tervisele. Vanade seadmete kõrvaldamise kohta täpsema informatsiooni saamiseks võtke palun ühendust kohalike ametiasutustega, jäätmekäitlusfirmaga või kauplusega, kust te toote ostsite.

**Español (Spanish) - Información medioambiental para clientes de la Unión Europea**

La Directiva 2002/96/CE de la UE exige que los equipos que lleven este símbolo en el propio aparato y/o en su embalaje no deben eliminarse junto con otros residuos urbanos

no seleccionados. El símbolo indica que el producto en cuestión debe separarse de los residuos domésticos convencionales con vistas a su eliminación. Es responsabilidad suya desechar este y cualesquiera otros aparatos eléctricos y electrónicos a través de los puntos de recogida que ponen a su disposición el gobierno y las autoridades locales. Al desechar y reciclar correctamente estos aparatos estará contribuyendo a evitar posibles consecuencias negativas para el medio ambiente y la salud de las personas. Si desea obtener información más detallada sobre la eliminación segura de su aparato usado, consulte a las autoridades locales, al servicio de recogida y eliminación de residuos de su zona o pregunte en la tienda donde adquirió el producto.

### **Ελληνικά (Greek) - Στοιχεία περιβαλλοντικής προστασίας για πελάτες εντός της Ευρωπαϊκής Ένωσης**

Η Κοινοτική Οδηγία 2002/96/EC απαιτεί ότι ο εξοπλισμός ο οποίος φέρει αυτό το σύμβολο στο προϊόν και/ή στη συσκευασία του δεν πρέπει να απορρίπτεται μαζί με τα μικτά κοινοτικά απορρίμματα. Το σύμβολο υποδεικνύει ότι αυτό το προϊόν θα πρέπει να απορρίπτεται ξεχωριστά από τα συνήθη οικιακά απορρίμματα. Είστε υπεύθυνος για την απόρριψη του παρόντος και άλλου ηλεκτρικού και ηλεκτρονικού εξοπλισμού μέσω των καθορισμένων εγκαταστάσεων συγκέντρωσης απορριμμάτων οι οποίες παρέχονται από το κράτος ή τις αρμόδιες τοπικές αρχές. Η σωστή απόρριψη και ανακύκλωση συμβάλλει στην πρόληψη πιθανών αρνητικών συνεπειών για το περιβάλλον και την υγεία. Για περισσότερες πληροφορίες σχετικά με την απόρριψη του παλιού σας εξοπλισμού, παρακαλώ επικοινωνήστε με τις τοπικές αρχές, τις υπηρεσίες απόρριψης ή το κατάστημα από το οποίο αγοράσατε το προϊόν.

### **Français (French) - Informations environnementales pour les clients de l'Union européenne**

La directive européenne 2002/96/CE exige que l'équipement sur lequel est apposé ce symbole sur le produit et/ou son emballage ne soit pas jeté avec les autres ordures ménagères. Ce symbole indique que le produit doit être éliminé dans un circuit distinct de celui pour les déchets des ménages. Il est de votre responsabilité de jeter ce matériel ainsi que tout autre matériel électrique ou électronique par les moyens de collecte indiqués par le gouvernement et les pouvoirs publics des collectivités territoriales. L'élimination et le recyclage en bonne et due forme ont pour but de lutter contre l'impact néfaste potentiel de ce type de produits sur l'environnement et la santé publique. Pour plus d'informations sur le mode d'élimination de votre ancien équipement, veuillez prendre contact avec les pouvoirs publics locaux, le service de traitement des déchets, ou l'endroit où vous avez acheté le produit.

### **Italiano (Italian) - Informazioni relative all'ambiente per i clienti residenti nell'Unione Europea**

La direttiva europea 2002/96/EC richiede che le apparecchiature contrassegnate con questo simbolo sul prodotto e/o sull'imballaggio non siano smaltite insieme ai rifiuti urbani non differenziati. Il simbolo indica che questo prodotto non deve essere smaltito insieme ai normali rifiuti domestici. È responsabilità del proprietario smaltire sia questi prodotti sia le altre apparecchiature elettriche ed elettroniche mediante le specifiche

strutture di raccolta indicate dal governo o dagli enti pubblici locali. Il corretto smaltimento ed il riciclaggio aiuteranno a prevenire conseguenze potenzialmente negative per l'ambiente e per la salute dell'essere umano. Per ricevere informazioni più dettagliate circa lo smaltimento delle vecchie apparecchiature in Vostro possesso, Vi invitiamo a contattare gli enti pubblici di competenza, il servizio di smaltimento rifiuti o il negozio nel quale avete acquistato il prodotto.

**Latviešu valoda (Latvian) - Ekoloģiska informācija klientiem Eiropas Savienības jurisdikcijā**

Direktīvā 2002/96/EK ir prasība, ka aprīkojumu, kam pievienota zīme uz paša izstrādājuma vai uz tā iesaiņojuma, nedrīkst izmest nešķīrotā veidā kopā ar komunālajiem atkritumiem (tiem, ko rada vietēji iedzīvotāji un uzņēmumi). Šī zīme nozīmē to, ka šī ierīce ir jāizmet atkritumos tā, lai tā nenonāktu kopā ar parastiem mājsaimniecības atkritumiem. Jūsu pienākums ir šo un citas elektriskas un elektroniskas ierīces izmest atkritumos, izmantojot īpašus atkritumu savākšanas veidus un līdzekļus, ko nodrošina valsts un pašvaldību iestādes. Ja izmešana atkritumos un pārstrāde tiek veikta pareizi, tad mazinās iespējamais kaitējums dabai un cilvēku veselībai. Sīkākas ziņas par novecojuša aprīkojuma izmešanu atkritumos jūs varat saņemt vietējā pašvaldībā, atkritumu savākšanas dienestā, kā arī veikalā, kur iegādājāties šo izstrādājumu.

**Lietuvškai (Lithuanian) - Aplinkosaugos informacija, skirta Europos Sąjungos vartotojams**

Europos direktyva 2002/96/EC numato, kad įrangos, kuri ir kurios pakuotė yra pažymėta šiuo simboliu (įveskite simbolį), negalima šalinti kartu su nerūšiuotomis komunalinėmis atliekomis. Šis simbolis rodo, kad gaminį reikia šalinti atskirai nuo bendro buitinių atliekų srauto. Jūs privalote užtikrinti, kad ši ir kita elektros ar elektroninė įranga būtų šalinama per tam tikras nacionalinės ar vietinės valdžios nustatytas atliekų rinkimo sistemas. Tinkamai šalinant ir perdurbant atliekas, bus išvengta galimos žalos aplinkai ir žmonių sveikatai. Daugiau informacijos apie jūsų senos įrangos šalinimą gali pateikti vietinės valdžios institucijos, atliekų šalinimo tarnybos arba parduotuvės, kuriose įsigijote tą gaminį.

**Malti (Maltese) - Informazzjoni Ambjentali għal Kliġenti fl-Unjoni Ewropea**

Id-Direttiva Ewropea 2002/96/KE titlob li t-tagħmir li jkun fih issimbolu fuq il-prodott u/jew fuq l-ippakkjar ma jistax jintrema ma' skart municipali li ma ġiex isseparat. Is-simbolu jindika li dan il-prodott għandu jintrema separatament minn ma' liskart domestiku regolari. Hija responsabbiltà tiegħek li tarmi dan it-tagħmir u kull tagħmir ieħor ta' l-elettriku u elettroniku permezz ta' faċilitajiet ta' ġbir appuntati apposta mill-gvern jew mill-awtoritajiet lokali. Ir-rimi b'mod korrett u r-riċiklaġġ jgħin jipprevjeni konsegwenzi negattivi potenzjali għall-ambjent u għas-saħħa tal-bniedem. Għal aktar informazzjoni dettaljata dwar ir-rimi tat-tagħmir antik tiegħek, jekk jogħġbok ikkuntattja lill-awtoritajiet lokali tiegħek, is-servizzi għar-rimi ta' l-iskart, jew il-ħanut minn fejn xtrajt il-prodott.

**Magyar (Hungarian) - Környezetvédelmi információ az európai uniós vásárlók**



**számára**

A 2002/96/EC számú európai uniós irányelv megkívánja, hogy azokat a termékeket, amelyeken, és/vagy amelyek csomagolásán az alábbi címke megjelenik, tilos a többi szelektálatlan lakossági hulladékkal együtt kidobni. A címke azt jelöli, hogy az adott termék kidobásakor a szokványos háztartási hulladékelszállítási rendszerektől elkülönített eljárást kell alkalmazni. Az Ön felelőssége, hogy ezt, és más elektromos és elektronikus berendezéseit a kormányzati vagy a helyi hatóságok által kijelölt gyűjtőrendszereken keresztül számolja fel. A megfelelő hulladékfeldolgozás segít a környezetre és az emberi egészségre potenciálisan ártalmas negatív hatások megelőzésében. Ha elavult berendezéseinek felszámolásához további részletes információra van szüksége, kérjük, lépjen kapcsolatba a helyi hatóságokkal, a hulladékfeldolgozási szolgálattal, vagy azzal üzlettel, ahol a terméket vásárolta.

**Nederlands (Dutch) - Milieu-informatie voor klanten in de Europese Unie**

De Europese Richtlijn 2002/96/EC schrijft voor dat apparatuur die is voorzien van dit symbool op het product of de verpakking, niet mag worden ingezameld met niet-gescheiden huishoudelijk afval. Dit symbool geeft aan dat het product apart moet worden ingezameld. U bent zelf verantwoordelijk voor de vernietiging van deze en andere elektrische en elektronische apparatuur via de daarvoor door de landelijke of plaatselijke overheid aangewezen inzamelingskanalen. De juiste vernietiging en recycling van deze apparatuur voorkomt mogelijke negatieve gevolgen voor het milieu en de gezondheid. Voor meer informatie over het vernietigen van uw oude apparatuur neemt u contact op met de plaatselijke autoriteiten of afvalverwerkingsdienst, of met de winkel waar u het product hebt aangeschaft.

**Norsk (Norwegian) - Miljøinformasjon for kunder i EU**

EU-direktiv 2002/96/EF krever at utstyr med følgende symbol avbildet på produktet og/eller pakningen, ikke må kastes sammen med usortert avfall. Symbolet indikerer at dette produktet skal håndteres atskilt fra ordinær avfallsinnsamling for husholdningsavfall. Det er ditt ansvar å kvitte deg med dette produktet og annet elektrisk og elektronisk avfall via egne innsamlingsordninger slik myndighetene eller kommunene bestemmer. Korrekt avfallshåndtering og gjenvinning vil være med på å forhindre mulige negative konsekvenser for miljø og helse. For nærmere informasjon om håndtering av det kasserte utstyret ditt, kan du ta kontakt med kommunen, en innsamlingsstasjon for avfall eller butikken der du kjøpte produktet.

**Polski (Polish) - Informacja dla klientów w Unii Europejskiej o przepisach dotyczących ochrony środowiska**

Dyrektywa Europejska 2002/96/EC wymaga, aby sprzęt oznaczony symbolem znajdującym się na produkcie i/lub jego opakowaniu nie był wyrzucany razem z innymi niesortowanymi odpadami komunalnymi. Symbol ten wskazuje, że produkt nie powinien być usuwany razem ze zwykłymi odpadami z gospodarstw domowych. Na Państwu spoczywa obowiązek wyrzucania tego i innych urządzeń elektrycznych oraz elektronicznych w punktach odbioru wyznaczonych przez władze krajowe lub lokalne.

Pozbywanie się sprzętu we właściwy sposób i jego recykling pomogą zapobiec potencjalnie negatywnym konsekwencjom dla środowiska i zdrowia ludzkiego. W celu uzyskania szczegółowych informacji o usuwaniu starego sprzętu, prosimy zwrócić się do lokalnych władz, służb oczyszczania miasta lub sklepu, w którym produkt został nabyty.

### **Português (Portuguese) - Informação ambiental para clientes da União Europeia**

A Directiva Europeia 2002/96/CE exige que o equipamento que exibe este símbolo no produto e/ou na sua embalagem não seja eliminado junto com os resíduos municipais não separados. O símbolo indica que este produto deve ser eliminado separadamente dos resíduos domésticos regulares. É da sua responsabilidade eliminar este e qualquer outro equipamento eléctrico e electrónico através das instalações de recolha designadas pelas autoridades governamentais ou locais. A eliminação e reciclagem correctas ajudarão a prevenir as consequências negativas para o ambiente e para a saúde humana. Para obter informações mais detalhadas sobre a forma de eliminar o seu equipamento antigo, contacte as autoridades locais, os serviços de eliminação de resíduos ou o estabelecimento comercial onde adquiriu o produto.

### **Română (Romanian) - Informații de mediu pentru clienții din Uniunea Europeană**

Directiva europeană 2002/96/CE impune ca echipamentele care prezintă acest simbol pe produs și/sau pe ambalajul acestuia să nu fie casate împreună cu gunoiul menajer municipal. Simbolul indică faptul că acest produs trebuie să fie casat separat de gunoiul menajer obișnuit. Este responsabilitatea dvs. să cașati acest produs și alte echipamente electrice și electronice prin intermediul unităților de colectare special desemnate de guvern sau de autoritățile locale. Casarea și reciclarea corecte vor ajuta la prevenirea potențialelor consecințe negative asupra sănătății mediului și a oamenilor. Pentru mai multe informații detaliate cu privire la casarea acestui echipament vechi, contactați autoritățile locale, serviciul de salubritate sau magazinul de la care ați achiziționat produsul.

### **Slovenčina (Slovak) - Informácie o ochrane životného prostredia pre zákazníkov v Európskej únii**

Podľa európskej smernice 2002/96/ES zariadenie s týmto symbolom na produkte a/alebo jeho balení nesmie byť likvidované spolu s netriedeným komunálnym odpadom. Symbol znamená, že produkt by sa mal likvidovať oddelene od bežného odpadu z domácností. Je vašou povinnosťou likvidovať toto i ostatné elektrické a elektronické zariadenia prostredníctvom špecializovaných zberných zariadení určených vládou alebo miestnymi orgánmi. Správna likvidácia a recyklácia pomôže zabrániť prípadným negatívnym dopadom na životné prostredie a zdravie ľudí. Ak máte záujem o podrobnejšie informácie o likvidácii starého zariadenia, obráťte sa, prosím, na miestne orgány, organizácie zaoberajúce sa likvidáciou odpadov alebo obchod, v ktorom ste si produkt zakúpili.

### **Slovenčina (Slovene) - Okoljske informacije za stranke v Evropski uniji**

Evropska direktiva 2002/96/EC prepoveduje odlaganje opreme, označene s tem

simbolom – na izdelku in/ali na embalaži – med običajne, nerazvrščene odpadke. Ta simbol opozarja, da je treba izdelek odvreči ločeno od preostalih gospodinjskih odpadkov. Vaša odgovornost je, da to in preostalo električno in elektronsko opremo odnesete na posebna zbirališča, ki jih določijo državne ustanove ali lokalna uprava. S pravilnim odlaganjem in recikliranjem boste preprečili morebitne škodljive vplive na okolje in zdravje ljudi. Če želite izvedeti več o odlaganju stare opreme, se obrnite na lokalno upravo, odpad ali trgovino, kjer ste izdelek kupili.

### **Suomi (Finnish) - Ympäristöä koskevia tietoja EUalueen asiakkaille**

EU-direktiivi 2002/96/EY edellyttää, että jos laitteistossa on tämä symboli itse tuotteessa ja/tai sen pakkauksessa, laitteistoa ei saa hävittää lajittelemattoman yhdyskuntajätteen mukana. Symboli merkitsee sitä, että tämä tuote on hävitettävä erillään tavallisesta kotitalousjätteestä. Sinun vastuullasi on hävittää tämä elektroniikkatuote ja muut vastaavat elektroniikkatuotteet viemällä tuote tai tuotteet viranomaisten määräämään keräyspisteeseen. Laitteiston oikea hävittäminen estää mahdolliset kielteiset vaikutukset ympäristöön ja ihmisten terveyteen. Lisätietoja vanhan laitteiston oikeasta hävitystavasta saa paikallisilta viranomaisilta, jätteenhävityspalvelusta tai siitä myymälästä, josta ostit tuotteen.

### **Svenska (Swedish) - Miljöinformation för kunder i Europeiska unionen**

Det europeiska direktivet 2002/96/EC kräver att utrustning med denna symbol på produkten och/eller förpackningen inte får kastas med osorterat kommunalt avfall. Symbolen visar att denna produkt bör kastas efter att den avskiljts från vanligt hushållsavfall. Det faller på ditt ansvar att kasta denna och annan elektrisk och elektronisk utrustning på fastställda insamlingsplatser utsedda av regeringen eller lokala myndigheter. Korrekt kassering och återvinning skyddar mot eventuella negativa konsekvenser för miljön och personhälsa. För mer detaljerad information om kassering av din gamla utrustning kontakter du dina lokala myndigheter, avfallshanteringen eller butiken där du köpte produkten.

## **5.4 Legal Notices**

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#### **5.4.2 Hardware Warranty in U.S.**

Jetlun offers a warranty covering a period of one year from the date of purchase by the customer. If a product is found defective during the warranty period, Jetlun will repair or replace the product with the same or a similar model, which may be a reconditioned unit, without charge for parts or labor.

#### **5.4.3 Limit of Liability**

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## 6.0 TECHNICAL SPECIFICATIONS

Part Number	Type A (US) Plug: RD75613A Type C (EU) Plug: RD75613C Type G (UK) Plug: RD75613G Type I (AU) Plug: RD75613I
Product Name	Jetlun Appliance Module
Description	An integrated HomePlug and Zigbee load control device
Standard Compliance	IEEE 802.3 Zigbee SE/HA HomePlug Command and Control (HPCC)
Frequency Band	Zigbee: 2.4 GHz HPCC: US/Japan 100-400 kHz (FCC/ARIB) EU Outdoor 18-19 kHz (CENELEC A) EU Outdoor 70-95 kHz (CENELEC A+) EU Indoor 95-125 kHz (CENELEC B)
Transport Mode	Zigbee: Up to 206 kbps HPCC: Up to 7.5 kbps
Range	Zigbee: Up to 100 ft (30 m) HPCC: Up to 1,800 ft (600 m)
Zigbee Antenna	Rx: -99dBm (normal mode), -100dBm (burst mode) Tx: -32dBm to +3dBm (normal mode), -23dBm to +5dBm (burst mode)
Modulation	HPCC: Differential Code Shift Keying (DCSK)
Security	128-bit AES Encryption
LEDs	Power, Zigbee Link/ Activity, Zigbee Security Link, HPCC Link/ Activity
Accuracy	+/- 1.0%
Operating Temp	-32°F to 113°F (0°C to 45°C)
Operating Humidity	10 to 85% non-condensing
Storage Temp	-4°F to 158°F (-20°C to 70°C)
Storage Humidity	5 to 90% non-condensing
Dimensions	160 x 185 x 56 (LxWxH)
Weight	0.85 kg (1.8 lbs)
Operating Voltage	100-240 VAC, 50-60 Hz
Consumption	Maximum 6W
Safety and EMI	FCC/UL/cUL/CE pending
WEEE	RoHS Compliant



## Glossary

HomePlug Command and Control ("HPCC") is a one of the three published standards from the HomePlug Powerline Alliance. HPCC is a low speed, low powered, highly robust powerline carrier technologies ideal for remote monitoring and control that delivers convenience through remote accessibility; safety and security products that protect from fire, theft and natural hazards; power management solutions that save money and conserve energy; and healthcare monitoring solutions that save lives and bring peace of mind. For more information, visit [www.homeplug.org](http://www.homeplug.org). ..... 7

Zigbee is a low-speed, low powered 802.15.4 wireless mesh standard established by the Zigbee Alliance. The Zigbee Alliance is a non-profit Standard organization made up 300+ companies driving development of ZigBee wireless technology. For more information, visit [www.zigbee.org](http://www.zigbee.org). Zigbee is the only wireless technology standard that has been listed under NIST as 1 of the 13 Smart Grid interoperability standards. For more information about NIST, please visit [www.nist.gov](http://www.nist.gov). ..... 7, 21, 22

Notes



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