



Jetlun IHD User Guide rev 1.0

User Guide

rev 1.0

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<http://www.jetlun.com>

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1.0 ABOUT THIS GUIDE

1.1 Becoming familiar with this User Guide

1.1 Quick Reference

The Jetlun In Home Display (RD77723) User Guide describes the following:




Table 1: Where to find information in this User Guide

Planning and Installing the Jetlun In Home Display	Chapter 2 and 3
Configuring and maintaining the In Home Display	Chapter 4 and 5

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

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

1.3 Getting Additional Help

To get information or assistance for problems that you encounter, please contact Jetlun Technical Support by emailing 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 devices connected to your In home Display or a 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

1.4 Sending Feedback regarding this Documentation

We welcome your feedback on Jetlun IHD 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.

2.0 PRODUCT OVERVIEW

Thank you for choosing the Jetlun In Home Display (RD77723). The JIM In-Home Display (IHD) from Jetlun communicates with Smart Meters that gives consumers unprecedented insight into their energy usage and costs. It provides power utility providers a low-cost way to send messages and alerts to customers on upcoming demand response events or on various ways to save energy.

Empowering consumers with information, consumers can make conscious decisions on when and how they can be more energy efficient and lowering their monthly energy bill. Studies have shown that instantaneous feedback can reduce energy consumption by up to 20%. The JIM IHD provides a simple interface for consumer to easily view its current tariff rate and opt in to participate in various energy efficiency programs offered by power utilities to recognize further cost savings.

The JIM IHD features a color 3.5" color touch screen backlit display, a ZigBee® wireless connectivity, and an option for WiFi. An extra USB expansion port is available to upgrade the firmware. The JIM IHD can either be wall mounted or use the included stand for placing on a counter top.

2.1 Package Contents

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

- 1x IHD RD77723
- 1x Universal Power Supply
- 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: IHD front panel

Table 3: Front Panel LED Description

Power LED	The Power LED lights up GREEN and will stay on while the IHD is powered on.
	The Power LED lights up Green and Orange when the IHD is charged battery and is powered on

2.3 Back Panel



Figure 2: IHD back panel

Table 4: Back Panel Description

DC IN	Power supply for IHD, voltage 5.0V, current 1.5A
USB	Provide the USB port to upgrade the firmware

3.0 INSTALLING THE JETLUN IHD

Follow these quick steps to install your Jetlun IHD.

3.1 Connecting the IHD to Jetlun Gateway Pro

There are three ZigBee profile types in the jetlun products, HA, SE without SEEC and SE with SEEC. The join process for each profile has some differences

3.1.1 Join to gateway pro with HA or SE without SEEC profile

1. Form your ZigBee network, go to gateway pro website Setup > Zigbee and follow the steps below in the column A:

Figure 3: Gateway Pro HA ZigBee Setup

- ➡ **STEP 1:** Click the Leave button. This will disconnect any and all ZigBee devices that were connected to the Gateway.
- ➡ **STEP 2:** Enter Channel ID, Power Level and Pan ID if you have more than one ZigBee network. Otherwise, you can leave it in its Default setting.

	<p>NOTE: If you have more than one ZigBee Networks, please ensure that each ZigBee network have a different Channel ID and PAN ID.</p> <p>Notes: The PAN ID must be 4 Hex characters. (From 0000 to FFFF.)</p>
--	--

- ➡ **STEP 3:** Click the Form button.

2. To configure the ZigBee network join permissions, follow the steps under column B:

- ➡ **STEP 1:** Select the permission choice:

- The DENY option prohibits any ZigBee devices to join to the Gateway.
- The Join Any Time option allows any ZigBee devices to join to the Gateway at any time.
- The Deny after XX seconds option allows you to configure the amount of time you allow ZigBee devices to join to the Gateway. After XX seconds, no ZigBee devices can join to the Gateway.

➡ **STEP 2:** Click the Execute button.

3. Enter the IHD LCD settings > Network> ZigBee tab, Click the join button in the LCD.
(The details operation refer to part 4.2.1.1)

3.1.2 Join to gateway profile with the SE with SEECC

1. Form your ZigBee network, go to gateway pro website Setup > Zigbee and follow the steps below in the column A:


Figure 4: Gateway Pro SEECC ZigBee setup

- ➡ **STEP 1:** Click the <Leave> button, if there are devices in the Zigbee network, they all leave the former network.
 - ➡ **STEP 2:** Enter Channel ID, Power Level and Pan ID.
Notes: The PAN ID must be 4 Hex characters. (From 0000 to FFFF)
 - ➡ **STEP 3:** Click the <Form> button. All Zigbee devices join the same network will show up in the Home Area Network.
2. Create the Link key in column B:
 - ➡ **STEP 1:** Input the device EUI and Install code.
Get the EUI and install code from the rating plate in the device.
 - ➡ **STEP 2:** Click the Add (Edit) button
 - ➡ **STEP 3:** The Link key will be shown in the link key table.
 3. Configure the permission in column C:

- ➡ **STEP 1:** Select the permission choice:
 - Deny-----*Phobit zigbee devices join the network.*
 - Join any time-----*Allow zigbee devices join the network all the time*
 - Deny after XX seconds-----*Allow zigbee devices join the network within XX seconds.*
 - (It recommends selecting this choice.)*
 - ➡ **STEP 2:** Click <Execute> button.
4. After the procedure from 1 to 3 the zigbee network is formed. You can join the IHD to the zigbee network.
- ➡ **STEP 1:** Enter the IHD LCD tab settings > Network> ZigBee tab, Click the join button in the LCD. (The details operation refer to part 4.2.1.1)

3.2 Connecting to the Smart Meter

The ZigBee profile for smart meter is SEEC, Please refer part 3.1.2

	<p>NOTE: The operation interface may be different with it in the jetlun gateway pro, But the main operation process is almost the same.</p>
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4.0 CONFIGURING THE IHD

4.1 IHD LCD Navigation Guide

The user interface is divided into six main categories:

- **Home.** The Home tab provides an overview of your Jetlun In Home Display for the current day.
- **Graph.** The Graph tab provides a detailed view of your IHD by device and provides an expanded view of your historical energy usage information.
- **Control.** No function for this firmware.
- **Stat.** No function for this firmware
- **Message.** The message tab provides a detailed view of your IHD receives Message events, DRLC events and Price events.
- **Setting.** The Settings tab allows you to join ZigBee and WIFI network, configure background LED status, change the performances and upgrade the firmware.

At the top of each screen is a time link to configure the time zone, date and time, a ZigBee icon to indicate join/leave zigbee network, a WIFI icon to indicate join/leave WIFI network, a message icon to display the quantity of your unread messages and a power type icon to display the power type.



Figure 5: IHD Main board

4.2 Configuration and Maintenance

4.2.1 Settings

4.2.1.1 Network

The Settings > Network screen allows you to join the ZigBee network and WIFI network.

ZigBee Network

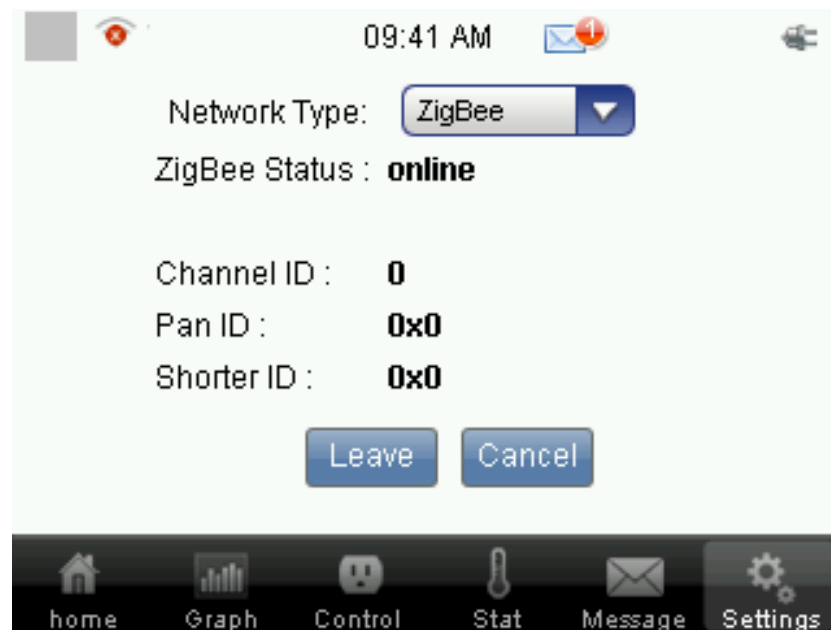


Figure 6: IHD ZigBee Settings

To join your zigbee network:

- ➔ **STEP 1:** Select the Network Type “ZigBee” in the LCD
 - ➔ **STEP 2:** Click the Join button to search and join the zigbee network.
- When it joined the zigbee network, the join button name is changed to leave and the Zigbee status is changed to Online.

WIFI network (Not available)

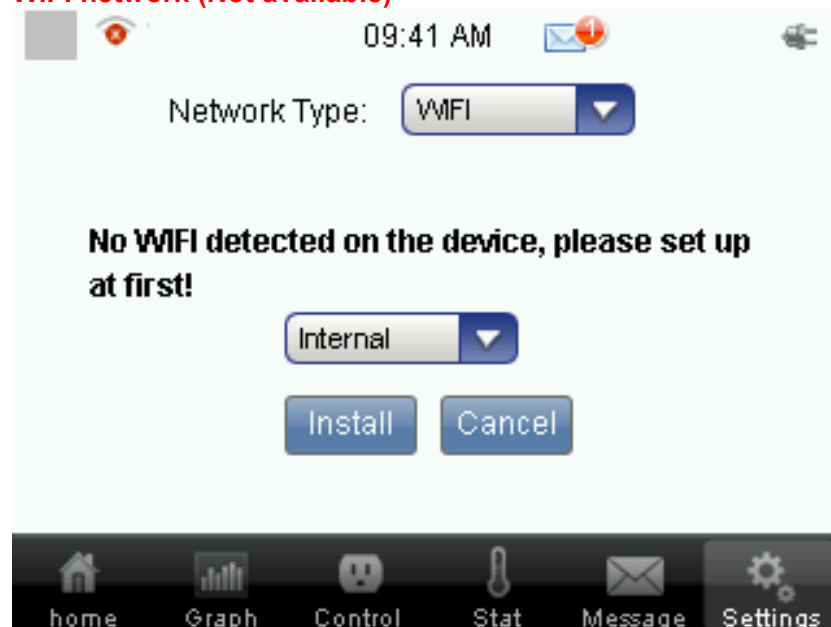


Figure 7: IHD WIFI Settings

To join your WIFI network:

- ➔ **STEP 1:** Select the Network Type “WIFI” in the LCD to enter the WIFI setting tab

➡ **STEP 2:** Select the WIFI type “Internal” or “External”, Click the install button. Then follow the on-screen instructions

This function is not available in current firmware.

4.2.1.2 Display

The Settings > Display screen allows you to configure brightness of background LED and the time to turn off the background LED.

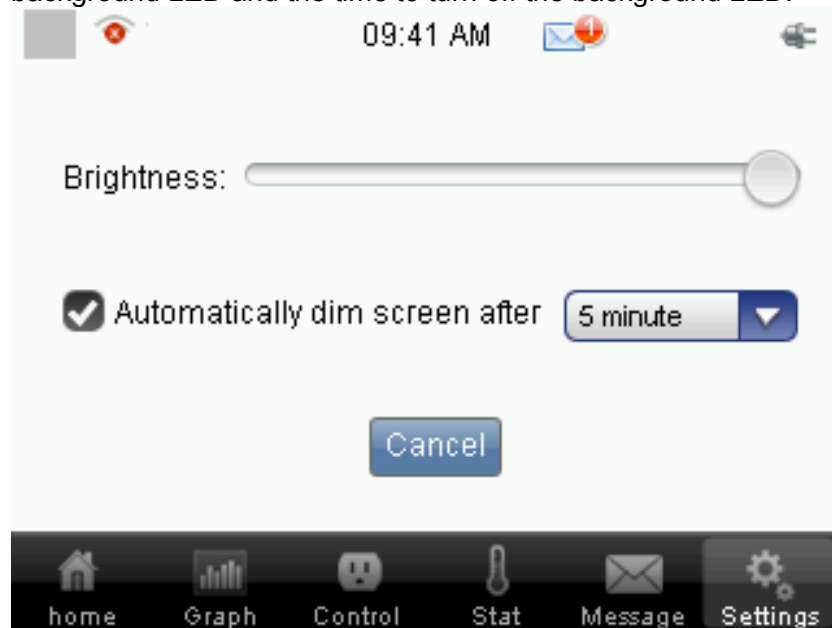


Figure 8: IHD Display

To configure brightness of Background LED

➡ **STEP 1:** Slide the switch to right place and its brightness become stronger. The brightness will become strongest (100%) when the switch is in the extreme right position.

➡ **STEP 2:** Slide the switch to left place and its brightness become weaker. The brightness will become weakest when the switch is in the extreme left position.

To configure the auto turn off background LED:

➡ **STEP 1:** Check box of the automatically dim screen after in the LCD, auto turn off background LED function is enable. Then background LED will automatically turn off after your selected time in the list table.

➡ **STEP 2:** Do not check box, and the auto turn off background LED function is disable.

4.2.1.3 Performance

The Settings > Performance screen configure the Language, temperature unit, currency and measure unit for IHD.

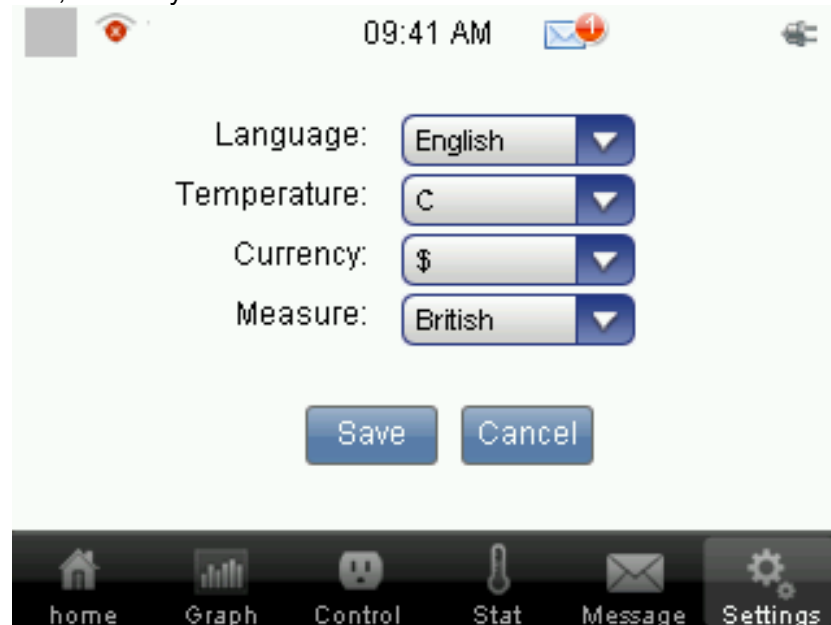


Figure 9: IHD performance

	<p>NOTE: Only the temperature unit configure is available in the current firmware.</p>
--	---

4.2.1.4 Upgrade

The Settings > upgrade screen allows you to upgrade the IHD firmware. Do not upgrade the firmware unless you are experiencing problems with the IHD or the new firmware has a feature you want to use.

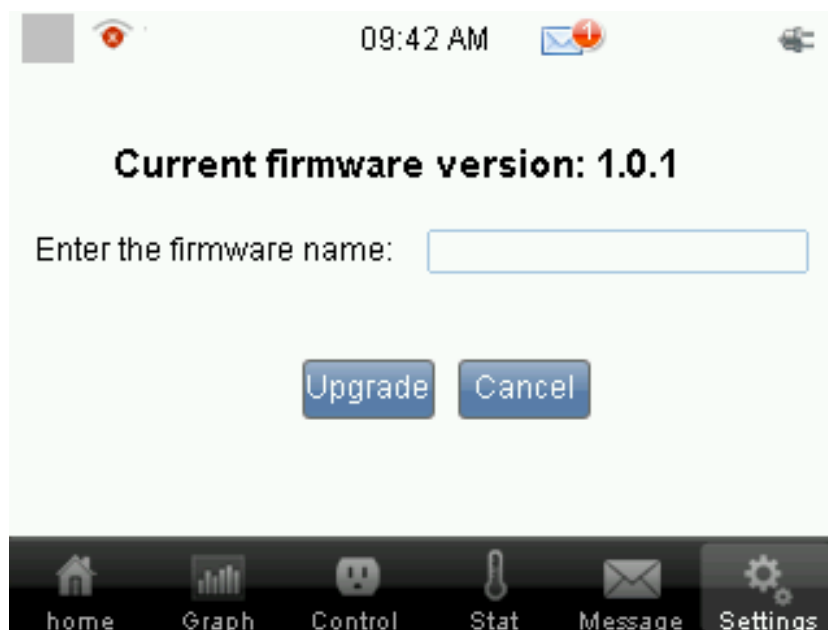


Figure 10: IHD upgrade

To upgrade IHD's firmware, follow these steps:

- ➡ **STEP 1:** Download the IHD's firmware upgrade file from JetlunTechnical Support by emailing support@jetlun.com.
- ➡ **STEP 2:** Copy the firmware to USB disk and insert it to IHD
- ➡ **STEP 3:** Enter the IHD LCD Settings > Upgrade tab, Input the name of the firmware in the field
- ➡ **STEP 4:** Click the Upgrade button, IHD starts to upgrade firmware. Then follow the on-screen instructions

4.2.1.5 Time Settings

Time Settings tab configures the time zone, date and time for in home display.

To configure the time, you should just double click Time in the top center LCD

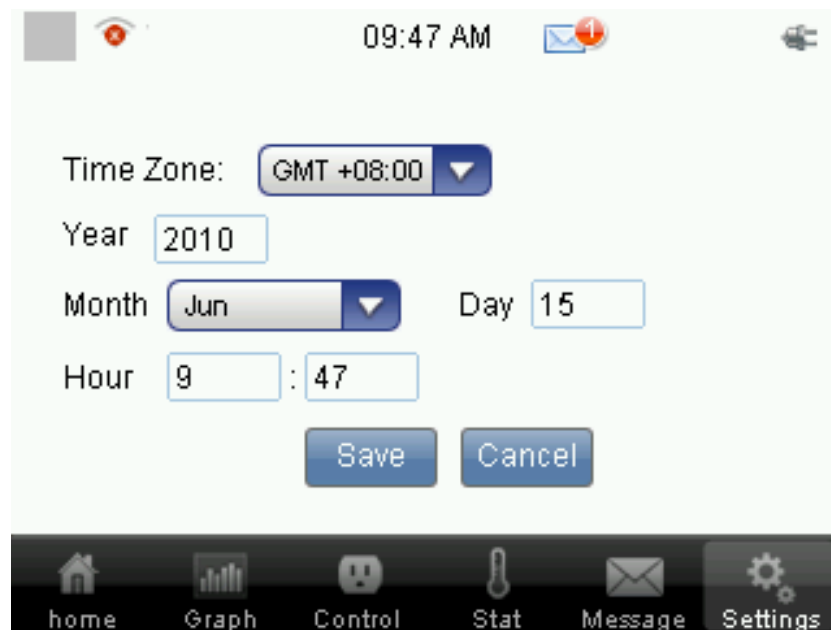


Figure 11: IHD Time Settings

4.2.2 Message

4.2.2.1 Message

The Message > Message screen displays all the Message Events from smart meter.

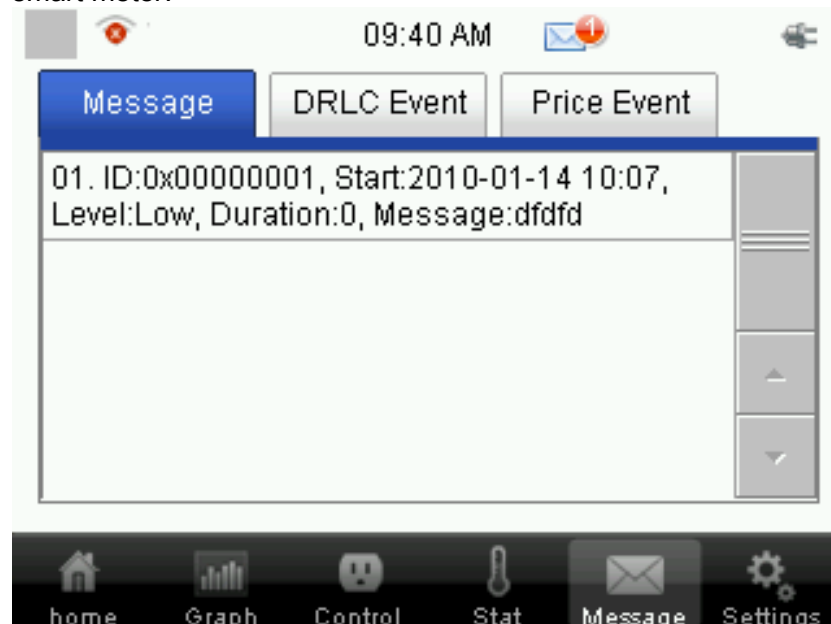


Figure 12: IHD message

4.2.2.2 DRLC

The Message > DRLC event screen displays all the DRLC Events from smart meter.

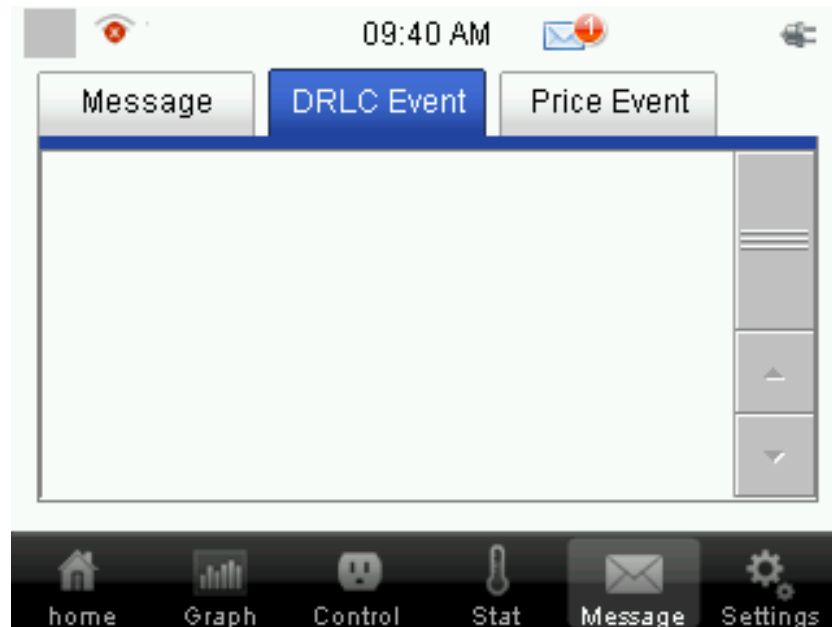


Figure 13: IHD DRLC event

4.2.2.3 Price

The Message > Price event screen displays all the Price Events from smart meter.

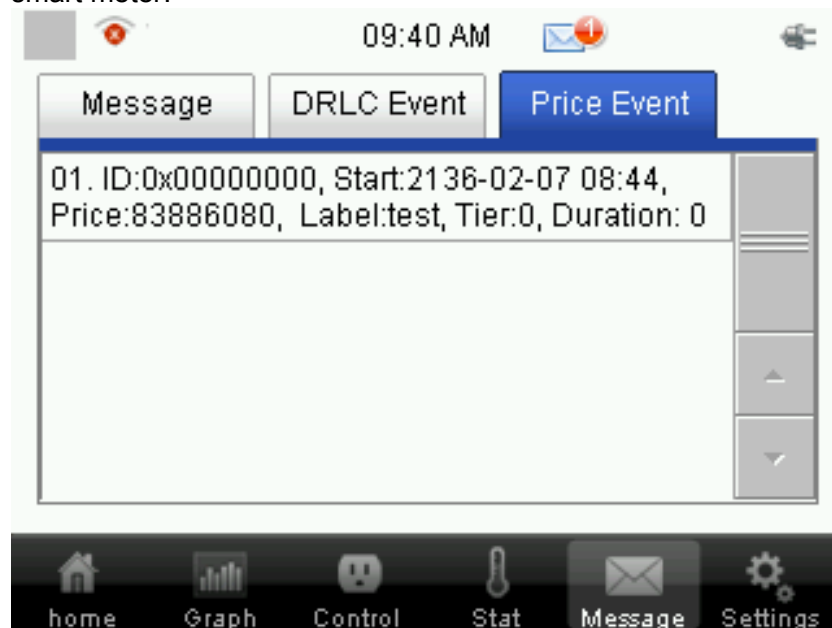


Figure 14: IHD Price Event

4.2.3 Home

The Home screen displays a summary of your IHD's status. It displays Date and Time, wattage, month energy usage, current day energy usage and price information.

It also shows the DRLC level or Price tier when it receives the DRLC event or Price event.

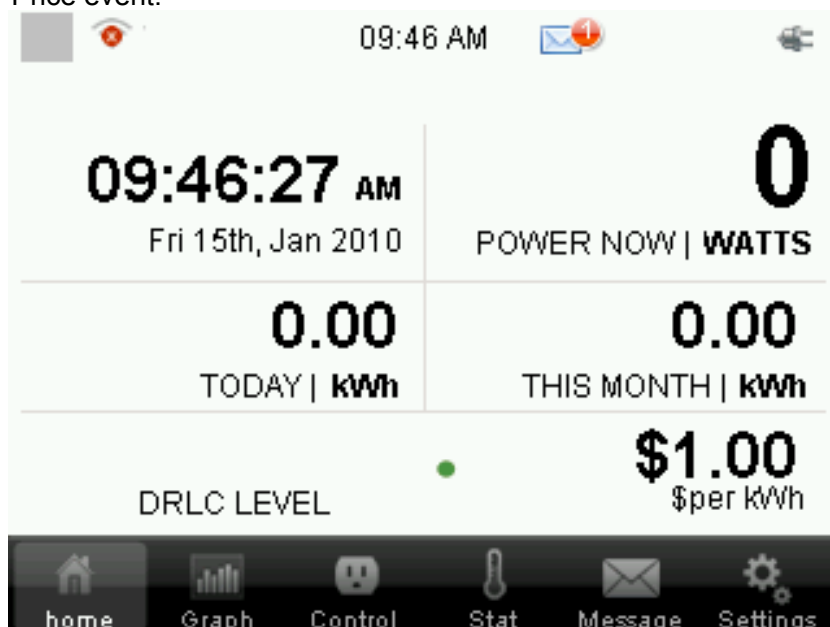


Figure 15: IHD Home



NOTE:

Wattage shows the wattage for panel meters. It shows the wattage for circuit meter when no panel meter in the network. It shows the wattage for appliance modules when no panel meter and circuit meter in the network.



NOTE:

KWH meter shows the energy usage for panel meters. It shows the energy usage for circuit meter when no panel meter in the network. It shows the energy usage for appliance modules when no panel meter and circuit meter in the network.

4.2.4 Graph

4.2.4.1 Overview

The Graph > Overview screen displays an historical overview of your energy usage trends from the date the IHD was installed.

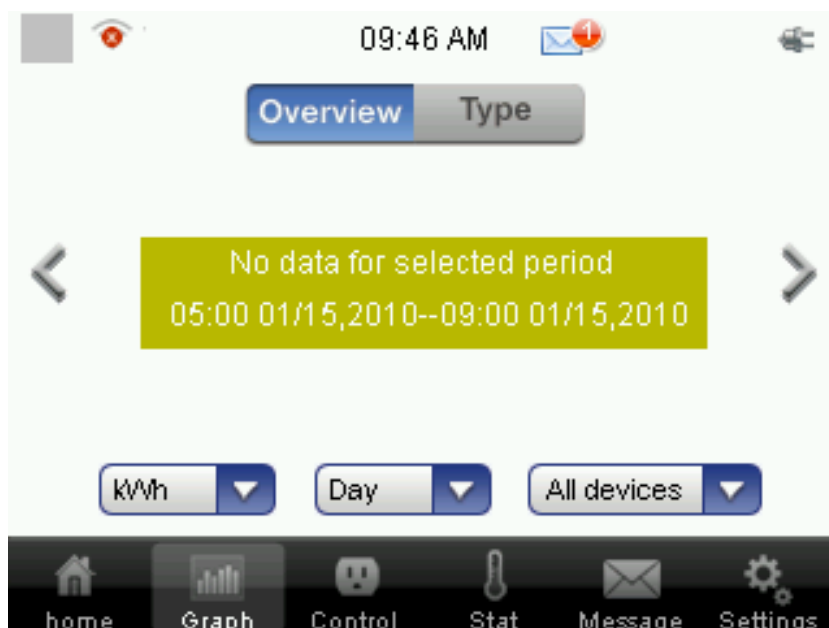


Figure 16: IHD Graph Overview

Energy Usage Overview in the form of bar graph column. You can view your usage by month, by week, by day or even by hour in graph column.

You can also view your energy usage in terms of kWh, Cost, and even calculated equivalents for Carbon Dioxide emissions.

You can view your energy usage by all devices, smart meter, panel meter, and circuit meter and appliance module. Only the choice “all devices” can be viewed all the time, other device types can only be viewed when these type devices join the zigbee network.

4.2.4.2 Type

The Graph > Type screen displays energy percentage overview for the devices. This function is not available in the current firmware.

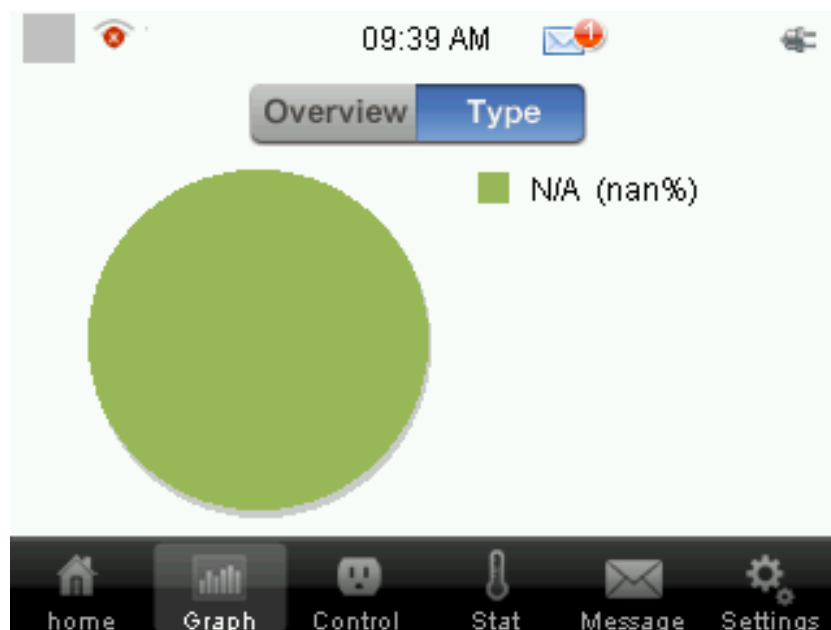


Figure 17: IHD Graph Type

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 U.S. Federal Communications Commission (FCC) Notifications

This device complies with part 15 of the US FCC Rules and Regulations. 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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the US 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 these 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 on and off, the user is encouraged 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 the unit;
- Connect the affected equipment to a power outlet on a different circuit from that which the receiver is connected to;
- Consult the dealer and/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]	
English	
Español [Spanish]	
Français [French]	

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 **X**

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

Model Number	Description

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- ISN, 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 последици. 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 netříděným 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 produkt 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 locale 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 Haushaltsmüll 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) - Keskkonnavalade 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 korrektne 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 nešķirotā 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 muniċipali 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 elku^llo^lni^lAltett eljárást kell alkalmazni. Az Ön felelőssége, hogy ezt, és más elektromos és elektronikus berendezéseit a kormányzati vagy a helyi hatóságok által kijelölt gyűjtőrendszereken keresztül^l 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 szükség, kérjük, lépjen kapcsolatba a helyi hatóságokkal, a hulladékfeldolgozási szolgálattal, vagy azzal a 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 exhibe 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.

Roma^{nă} (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 cașați 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 priľpadným 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 gospodinskih 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.

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Right to Audit. Jetlun shall have the right to audit annually, upon reasonable advance notice and during normal business hours, your records and accounts to determine compliance with the terms of this Agreement.

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Disputes. You and Jetlun hereby agree that any dispute, controversy or claim, except for any dispute, controversy or claim involving intellectual property, prior to initiation of any formal legal process, will be submitted for non-binding mediation, prior to initiation of any formal legal process. Cost of mediation will be shared equally. Nothing in this Section will prevent either party from resorting to judicial proceedings, if (i) good faith efforts to resolve the dispute under these procedures have been unsuccessful, (ii) the dispute, claim or controversy involves intellectual property, or (iii) interim relief from a

court is necessary to prevent serious and irreparable injury to that party or to others.

General. California law governs this license. The terms of this license are supplemental to any written agreement executed by both parties regarding this subject and the Software Jetlun is to license you under it, and supersedes all previous oral or written communications between us regarding the subject except for such executed agreement. It may not be modified or waived except in writing and signed by an officer or other authorized representative of each party. If any provision is held invalid, all other provisions shall remain valid, unless such invalidity would frustrate the purpose of our agreement. The failure of either party to enforce any rights granted hereunder or to take action against the other party in the event of any breach hereunder shall not be deemed a waiver by that party as to subsequent enforcement of rights or subsequent action in the event of future breaches.

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

IN NO EVENT SHALL JETLUN BE LIABLE TO YOU OR ANY OTHER PARTY FOR ANY DIRECT, INDIRECT, GENERAL, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR OTHER DAMAGE ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION OR ANY OTHER PECUNIARY LOSS, OR FROM ANY BREACH OF WARRANTY, EVEN IF JETLUN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.) IN NO CASE SHALL JETLUN'S LIABILITY EXCEED THE AMOUNT YOU PAID FOR THE PRODUCT.

6.0 TECHNICAL SPECIFICATIONS

Part Number	RD77723
Product Name	Jetlun In home Display
Description	The JIM In-Home Display (IHD) from Jetlun communicates with Smart Meters that gives consumers unprecedented insight into their energy usage and costs
Standard Compliance	IEEE 802.3 Zigbee SE/HA
Interface	USB port
Frequency Band	Zigbee: 2.4 GHz
Transport Mode	Zigbee: Up to 250 kbps
Range	Zigbee: Up to 300 ft (100 m)
Zigbee Antenna	Rx: -99dBm (normal mode), -100dBm (burst mode) Tx: +18dBm (normal mode), +20dBm (burst mode)
Security	128-bit AES Encryption
LEDs	Power LED
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	
Weight	
Operating Voltage	5 DC, 1.5 A
Consumption	
Safety and EMI	FCC/UL/cUL/CE pending
WEEE	RoHS Compliant

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Notes



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