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- Do not touch the device with wet hands. or use the device in humid environments such as rest rooms, or during water-based activities such as swimming.
- If any part of the device is cracked or broken, or if the device becomes very hot, stop using the device immediately and take it to a Device Care Centre.
- Do not turn on or use the device when the battery compartment is exposed.
- Do not use the handset during charging.

To prevent injury to people or damage to the **EyePay® Phone,** please note the following:

- Do not allow children or animals to chew or suck the device.
- Do not poke eyes, ears, or other body parts with the device or insert the device into the mouth.
- If the device has a camera flash or light, do not use it close to the eyes of people or animals.
- Do not store your device in very hot or very cold areas. It is recommended to use your device at temperatures between 5˚C to 35˚C.

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- Do not store the device near or in heaters, microwaves, cooking equipment, or high pressure containers.
- Keep the device dry.
- Do not use the device outdoors during a thunderstorm.
- Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle.

Environmental conditions

Working temperature	-20 ~ 40˚C :1.13", Left
Working humidity	65+/-20%RH

irisguard UK Ltd declares that this **EyePay® Phone** model IG-EP100, is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Directive 2014/53/EU.

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Environmentally friendly disposal

You can help protect the environment!

Please remember to respect the local regulations: hand in non-working electrical equipment to an appropriate waste disposal.

Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION RISK OF EXPLOSION

IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

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The following standards have been applied for the investigation of compliance:

- Draft ETSI EN 301 489-1 V2.2.0 (2017-03)
- Draft ETSI EN 301 489-17 V3.2.0 (2017-03)
- Draft ETSI EN 301 489-19 V2.1.0 (2017-03)
- Draft ETSI EN 301 489-52 V1.1.0 (2016-11)
- ETSI EN 301 511 V9.0.2 (2003-03)
- ETSI EN 301 908-1 V11.1.1 (2016-07)
- ETSI EN 301 908-2 V11.1.1 (2016-07)
- ETSI EN 301 908-13 V11.1.1 (2016-07)
- ETSI EN 303 413 V1.1.1 (2017-06)
- Final draft ETSI EN 303 345 V1.1.7 (2017-03)
- ETSI EN 300 328 V2.1.1 (2016-11)
- EN 62479: 2010
- EN 50566: 2013
- EN 50360: 2001+A1: 2012
- EN 62209-1: 2006
- EN 62209-2: 2010
- IEC 62133: 2012
- EN 62471: 2008
- EN 60950-1: 2006 +A11: 2009 +A1: 2010+A12: 2011+A2: 2013
- EN 50332-1: 2013
- EN 50332-2: 2013
- EN 55032: 2012+AC: 2013
- EN 55020: 2007+A12: 2016
- EN 55024: 2010
- EN 61000-3-2: 2014
- EN 61000-3-3: 2013

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Careful use of the earphones will reduce the risk of excessive sound pressure from earphones or potential hearing loss.

The product should only be connected to a USB interface of version USB2.0 or higher, connection to a power USB is prohibited.

The adapter should be installed near the equipment and be easily accessible.

Only use adapter as below:

JHC Sound Electronics Co., Ltd.

Adapter model: JHC-A18

I/P AC 100-240V, 50/60Hz, 0.35A, O/P 5.0V, 2.0A

The RF distance between body and mobile phone is 5mm.

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Manufacturer Name:
irisguard UK Ltd

Manufacturer Address:
43 Shenley Pavilions, Chalkdell Drive, Shenley Wood, Milton Keynes MK5 6LB, United Kingdom.

Operation:
GSM/GPRS/EGPRS 900: Tx:

Operation Frequency:
GSM/GPRS/EDGE 900: Tx: 880-915MHz,
RX: 925-960MHz
GSM/GPRS/EGPRS 1800: Tx: 1710-1785MHz,
Rx: 1805 - 1880MHz
GSM/GPRS/EDGE 850: 824-849MHz
(Not used in Europe)
PCS/GPRS/EDGE 1900: 1850-1910MHz
(Not used in Europe)
WCDMA Band I: Tx: 1920-1980MHz,
Rx: 2110-2170MHz
WCDMA Band VIII: Tx: 880-915MHz,
Rx: 925-960MHz
LTE Band 3: Tx: 1710-1785MHz,
Rx: 1805-1880MHz

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LTE Band 40: Tx: 2300-2400MHz,
Rx: 2300-2400MHz
LTE Band 5: 823-850MHz
(Not used in Europe)
WiFi: 802.11b/g/n HT20: 2412-2472MHz
802.11n HT40: 2422-2462MHz
Bluetooth: 2402-2480MHz
GPS: 1.57GHz
FM: 87.5~108MHz

Max. RF output power:
GSM900: 33 dBm
GSM1800: 30 dBm
WCDMA FDD Band: 24 dBm
LTE FDD/TDD Band: 23 dBm
WiFi (2.4G) : 9.49 dBm EIRP
Bluetooth: 6.35 dBm EIRP

The RF frequencies can be used in Europe without restriction.

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This product is intended for sale and application in a business environment.

Contact information

Email:
enquiries@irisguard.com

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EyePay® Phone

model IG-EP100

Quick Start Guide

About **irisguard**

Established in 2001, **irisguard** is the world's leading provider of iris recognition technology, used in a variety of secure payment delivery platforms and mobile applications. **irisguard**'s patented technology includes its EyeBank®, EyeCloud®, EyePay® and EyeCash® solutions, serving the banking, humanitarian relief and homeland security markets.

irisguard offers a variety of world-leading identity applications and mobile devices that deliver card-less cash withdrawals on ATMs, retail POS, Blockchain transfers, migrant salary assurance, microfinance and remittances.

With trillions of iris cross-comparisons processed faultlessly, over half a billion US$ transacted in cash with a zero per cent error rate and millions of US$ transacted on retail POS taking place on a monthly basis, **irisguard**'s trusted technologies lead the way.

The **EyePay® Phone** combines the most secure biometric – the iris – with mobile access to **irisguard**'s global database, providing the only one-to-millions (1:n) iris comparison in real-time identity authentication via a smartphone, securing all your mobile applications.

Iris **recognition**

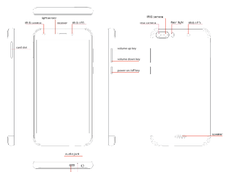
The human iris is unique to every individual, so provides the most secure and trusted token-free identifier in the world.

While the colour of the iris is determined by genetics, the patterns in the ligaments are created by random tissue folding during gestation in a process called morphogenesis and are unique to each eye. The probability of any two irises being identical are approximately one in ten to the power of seventy-eight (1 in 10^{78}), between the left and right irises, and similarly so with identical twins. The iris remains stable through a person's lifetime, unlike their face, voice or fingerprints.

The unique nature of a person's iris patterns means that iris capture and authentication is the most secure, safe and trusted process to authenticate identity and securely authorise any transaction on the **EyePay® Phone**.

The innovative **EyePay® Phone** is the first of its kind in the world; capable of authenticating an identity internally and externally of the device. External authentications are processed by connecting to a secure EyeCloud® network and matching the user's **Unique Verifiable Identity** across a database of millions of enrolees in seconds. This functionality opens up a new realm of trusted mobile transactions not available today on any commercially iris-enabled phone.

EyePay® Phone overview



Note:
Do not try to open the rear cover, battery cannot be removed.

Key Functions

Key	Function
Power	• Press and hold to power on or off. • Press to turn on the screen display.
Home	• Touch to return to the home screen from any application.
Menu	• Touch to see list of recent apps and get options for the current screen.
Back	• Touch to go back to the previous screen.
Volume up/down	• Press or hold to turn the volume up or down.

Getting started

Please make sure that the phone is powered off before proceeding.

Install SIM card/T-flash card.

SIM slot 1: Micro SIM card slot
SIM slot 2: Nano SIM card/T-flash card slot

Note:
4G LTE works in both SIM slots individually, but not simultaneously (i.e. one SIM slot works as 4G LTE and other as 2G based on the data subscription set).

EyePay® Phone Functions

Safety information
Read all safety information before using the device to ensure safe and proper use.

Screen
The EyePay® Phone features a large 15.25cm screen with a 1280 x 720 resolution.

Screen Lock
The screen can be locked to increase its security. To turn this on, access the settings under Settings >Security >Screen lock.

Customise home screen
To customise your home screen, touch and hold an empty area in standby mode to add a wallpaper image. You can also remove, add and move items to your specific preferences.

Camera
The **EyePay® Phone** is equipped with a dual 2MP iris camera and 8MP rear facing camera, both of which have adjustable focus, exposure and zoom. You can switch between cameras via an icon on the screen.

Internet
You can access a number of internet networks via 4G, 3G, 2G, WLAN, and GSM.

Make a call
Press the call key to access the keypad, speed dial, recent numbers dialled and your saved contacts.

Messaging
Press the text box to create a text message. You can insert emojis, images, or audio/video files, and send to single or multiple recipients.

Email
The email app enables you to read, compose and send emails, and is configured to work with all major service providers. The **EyePay® Phone** supports multiple account mode where you need to access more than one email account.

Music & Videos
Various formats of music and videos are supported by the EyePay® Phone: MP3, MIDI, AAC, AMR, AAC+, WAV, MPEG-4/H.263.

Photos
All photos are saved to the **EyePay® Phone**'s directory. From here you can edit, rotate, crop, share, or print your photos. The formats supported are EXIF/JPEG.

Intelligent keyboard
The **EyePay® Phone** automatically corrects and suggests words as you type, and also supports image and audio input. It is very easy to copy text from web pages, email, or text messages – simply touch and hold text content to enable the magnifying glass and copy.

Map
The Map application can be used to locate yourself, view real-time traffic conditions, pedestrian, bus or car driving route instructions. The app allows you to view satellite images or a street map.

Extending the battery life
To improve the **EyePay® Phone**'s battery life: turn off radio services (wi-fi, Bluetooth and GPS) when not needed, keep screen brightness on auto mode, use Bluetooth or USB tethering instead of portable wi-fi hotspot and close recent apps running in the background. Please note that non-usage for a long time may cause the battery to drain out, so it will need to be connected with a charger for approximately 30-40 minutes.
If the problem still persists, visit your nearest Device Care Centre.

EyePay Phone® warning

- Do not expose the device to physical impact or damage.
- Do not carry the device in your back pocket or on your waist.
- Use manufacturer-approved batteries, chargers, accessories and supplies only.
- Prevent conductive elements, such as metal or liquids, from touching the jack or battery terminals.

Emergency call

If any emergency arises, dial 112/911 (or other emergency call number) for emergency help.

Note:

Due to the nature of cellular networking, the success of emergency call is not guaranteed.

FCC Warning:

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 user's authority to operate the equipment.

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 and 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 equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue.

Device type Smartphone (FCC ID: 2AUG7IG-EP100) has also been tested against this SAR limit. The highest SAR value for this model phone when tested for use at the ear is 0.584W/Kg and when worn on the body, as described in this user guide, is 0.753W/Kg (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). The maximum scaled SAR in hotspot mode is 1.163W/Kg. To maintain

compliance with FCC RF exposure requirements, use accessories that maintain a 10mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.