Smart Glasses new glass C100

new glass

# Lenovo Smart Glasses User Guide

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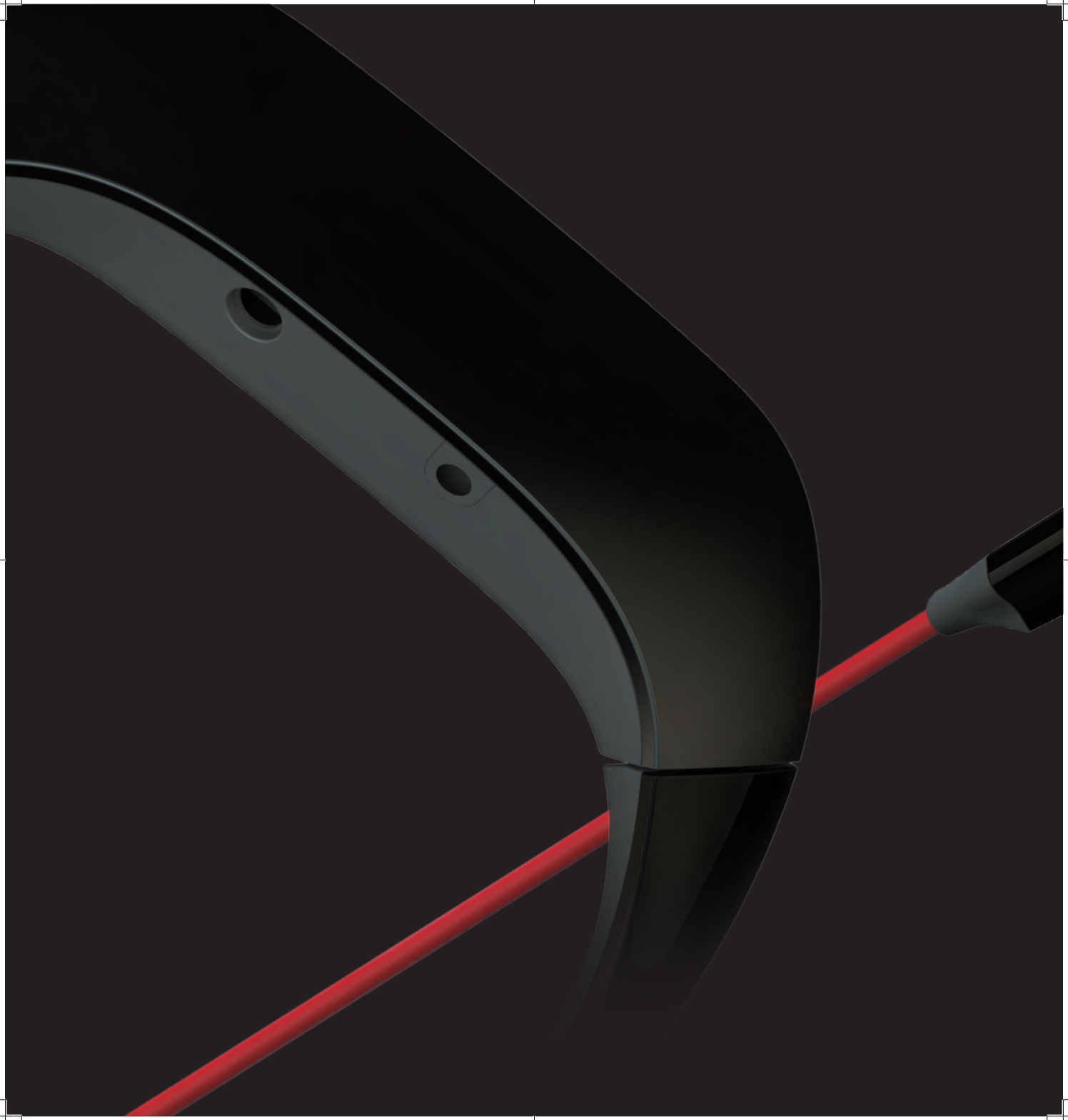

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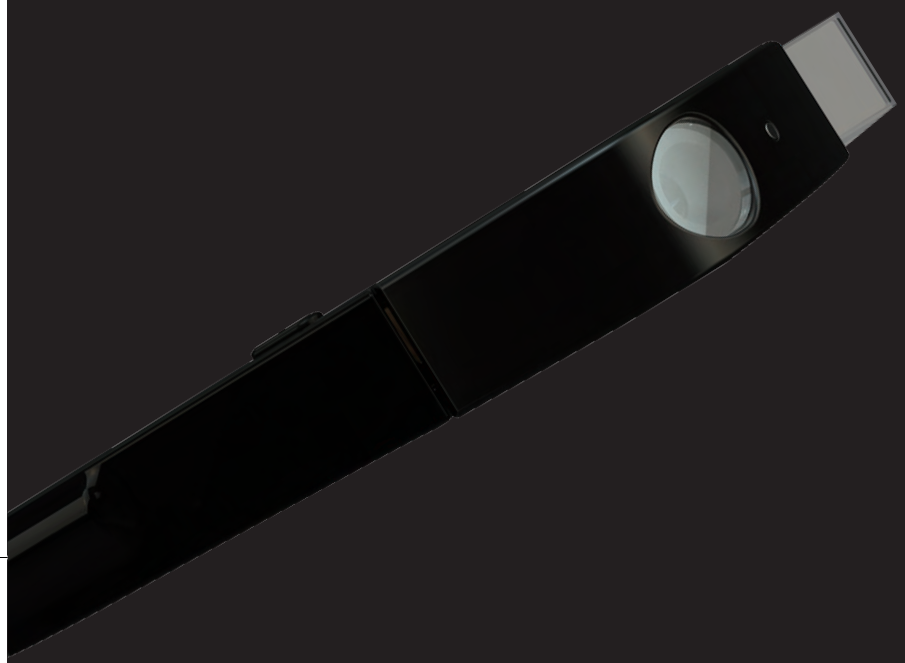

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Note: Please read this document carefully before installing and using the device and keep this document properly.

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Thank you for purchasing this Lenovo product.

**Note**

Before using this document and the supported device, please carefully read and understand this document, particularly the key safety information in it and the Notification section in the appendix. This will help you use this device safely and properly.

To obtain an electronic version of this document, visit the support service portal for this device on the Lenovo product website, and perform a search as instructed.

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# Overview

## Support

Thank you for choosing new glass smart glasses. This document will guide you on how to use this device and its key features.

For more information and additional support, please visit http://newbd.com/topic/newglass.html.

## Specifications

| | |
|---|---|
| Display | 0.294” LCOS 16: 9 panel, screen definition: 800*480 |
| Scope of view | 20°, equivalent to a 25-inch display two meters away from the wearer |
| Camera | photo: 8 megapixels; video: 1080p |
| Connectivity | Wi-Fi 802.11b/g/n, Bluetooth 4.0, Micro USB |
| Processor | 1.2GHz OMAP4460 dual-core processor and image engine |
| System | Android 4.2.2 |
| Storage | Total 16GB, with 1 GB embedded RAM |
| Battery | 1340 mAh, 3.7 V |
| Control | Power switch, photo button, touchpad |
| Sensors | GPS, proximity sensor, ambient-light sensor, 3-axis gyroscope, 3-axis accelerator, 3-axis magnetometer |
| Audio | 1.5W Noise cancelling speaker, microphone, 3.5mm mono headset |
| Size | Glasses: 102.65*53.42*12.4mm (LxWxH)<br>Neck base: 139.72*139.68*25.15mm (LxWxH) |
| Weight | glasses: 22 g, neck base: 80g |

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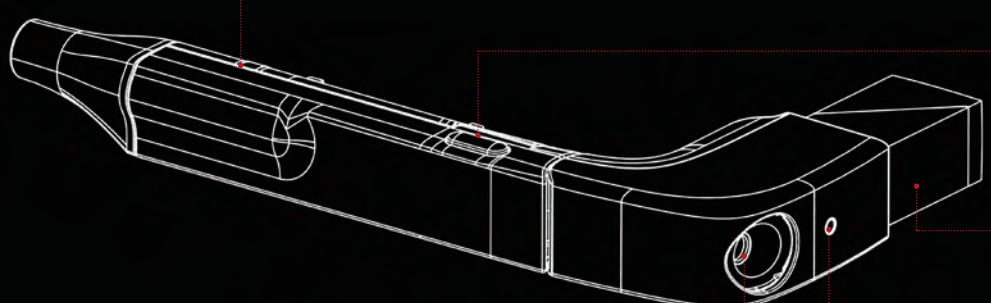
# Overview



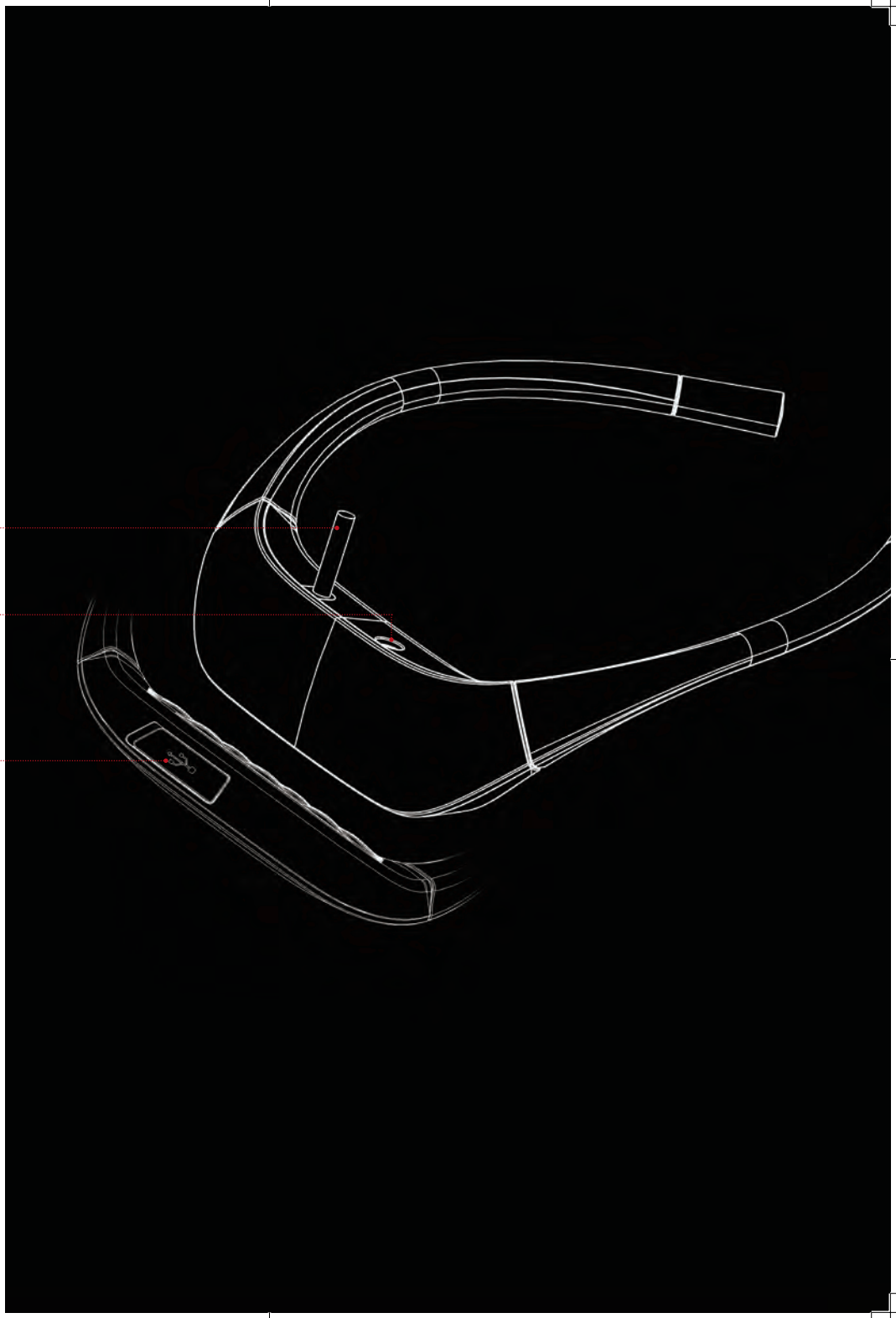
1 Glasses

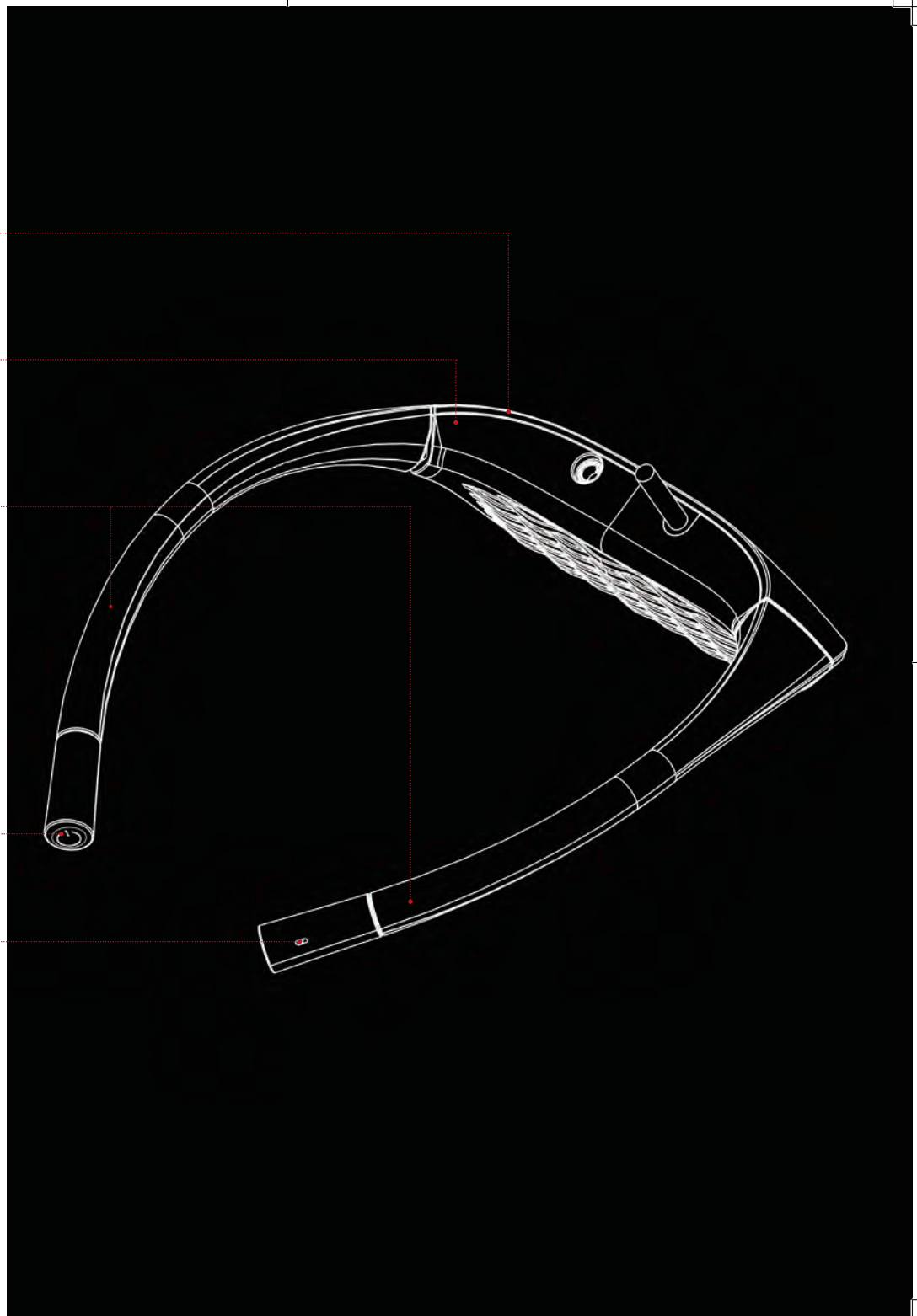
2 Camera/
video key

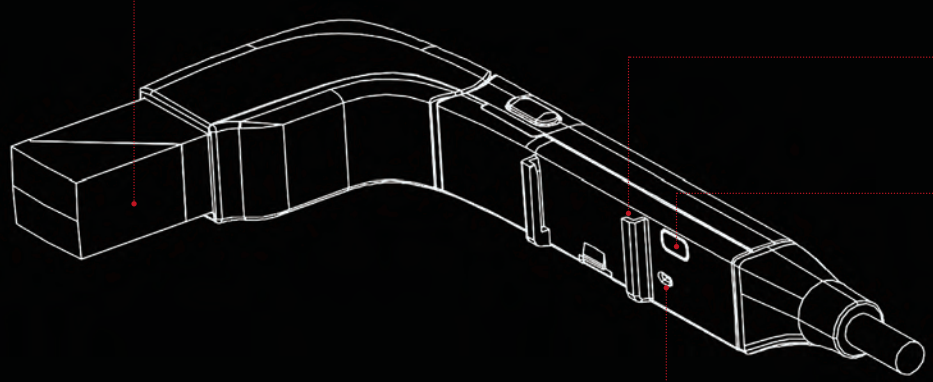
3 Prism

4 Ambient-light
sensor

5 FHD camera


Connection cord 6
Headset jack 7
Micro USB port 8


Neck base 1
Main body of neck base 2
Left/right neck clip of neck base 3
Sleep/ power button 4
MIC 5



6 Prism display window

7 Slot

8 Proximity sensor

9 Earphone

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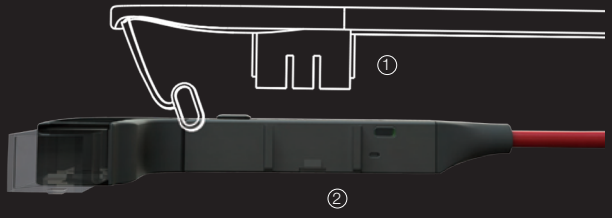
## Charging

Before starting up this device for the first time, connect it to a power supply and disable the transport mode.

Connect the charging cable to the Micro USB port located at the lower portion of the main body of the neck base. Please use the power adapter provided. Connect the charging cable to the adapter, and plug the adapter into a standard power socket. The power input for charging should be 5 V/1 A.

## Wearing

This device comprises a pair of glasses and a neck base, which are connected via a connection cable. Put neck base around your neck, and attach this device to the glasses frame provided or some other glasses frame of your choice. Then, adjust the prism on the glasses until you achieve an optimal line of sight.




Insert the tab (1) on the glasses frame into the slot (2) on the glasses frame. Now, you can attach your glasses onto the frame. To detach your glasses from the glasses frame, pull tab (1).

The part of the neck base in contact with the wearer's skin is made of thermal resistant material to help lower the temperature at the point of contact between the neck base and skin.

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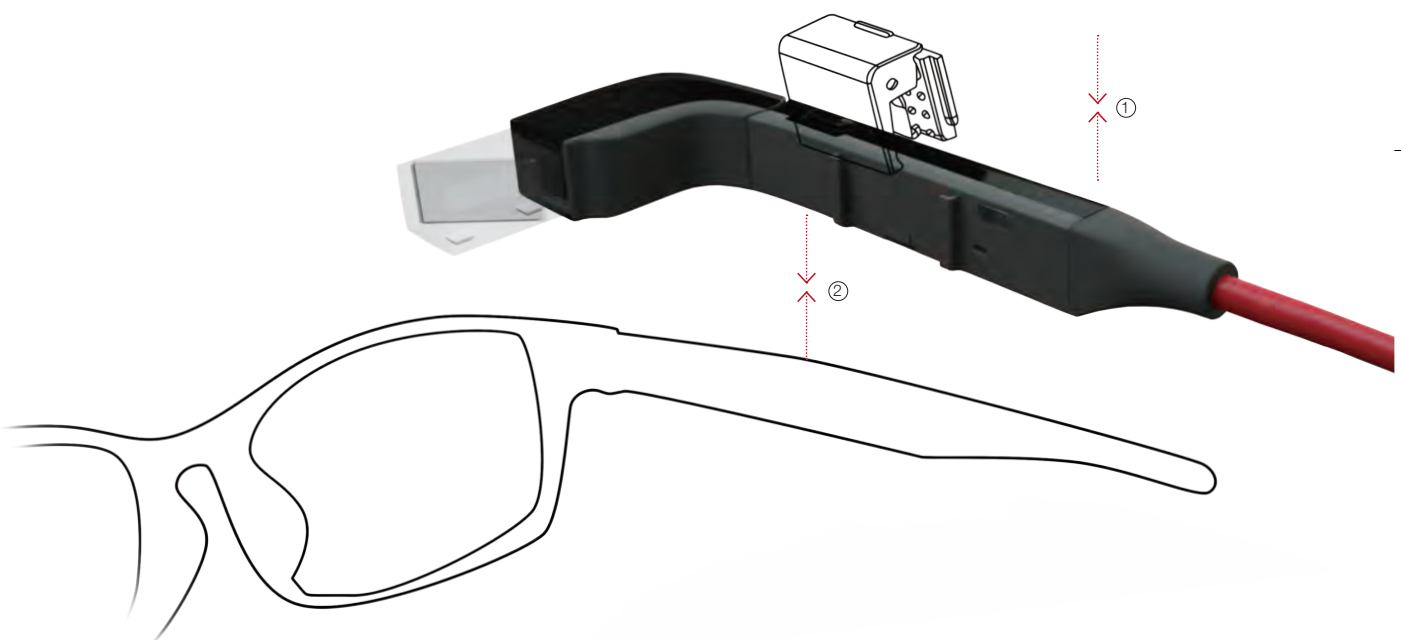
## Matching the Glasses Frame

Choose a clip that is suitable for your glasses frame. Insert the clip into slot (1) on your glasses, and then clip it onto the arm of your glasses at position (2).

The opening of the wire grip should face upwards, and it should cover the end of the glasses arm. Insert the connection cable into the cable clipping.



## Adjustment

Adjust the clip such that it is suitably positioned on the glasses arm. Rotate the front end of the glasses clockwise or counterclockwise, until the prism achieves an optimal line of sight.

## Neck base

Wear the neck base around your neck. Adjust the left or right clip to get a good fit between the neck base and your neck. This will provide the best comfort.

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## Buttons

**Power button**

To turn on this device, press and release the power button. To turn off this device, press and hold the power button.

**Photo/video button**

To take a photo, press and release the photo button. To take a video, press and hold the photo button.

# Touchpad

A touchpad is located on your new glass to help you control the device. The touchpad can perform the following functions:

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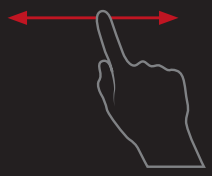
Tap: select



Sliding forward: page right

Sliding backward: page left

Sliding down with

single finger: back

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## Start to use

## About the Glasses Manager App

The Glasses Manager app is not only a tool for managing glasses apps also helps you configure the settings for your new glass. Before using new glass, download and install this app and complete the activation of new glass.

If you are using an Android phone, scan the QR code below to install the Glasses Manager app.

You can download the installation APK from the URL below:
http://www.newbd.com/app/C100GlassManager.apk

## Activate the glasses.

**Step 1: Turn on the device.**

Press the power button to turn the device on.

After powering on, you will see the Activation Wizard. It will guide you through the activation in a step by step manner.

**Step 2: Install the Glasses Manager app.**

If you are using an Android phone, scan the QR code below to install the Glasses Manager app. Then, you can enter the app.

**Step 3: Log onto the glasses manager app.**

You'll need a NDB account to use the Glasses Manager app. If you have a NDB account or have registered using your mobile phone number or email address, log onto the Glasses Manager app.

**Step 4: Generates a QR code with the Glasses Manager app.**

If it you are logging onto this app for the first time, you will be prompted to activate your device. Select a Wi-Fi hotspot you frequently use, and enter the password. After verification, a QR code will be generated for you to activate this device.

**Step 5: Scan the QR code with your new glass.**

When you are prompted by the instructions on the screen to scan the QR code and activate your device, tap the touchpad to scan the QR code.

After the QR code is scanned, your new glass will be activated and connected to Wi-Fi. Ensure that the Wi-Fi hotspot signal is available.

**Step 6: Activation is complete.**

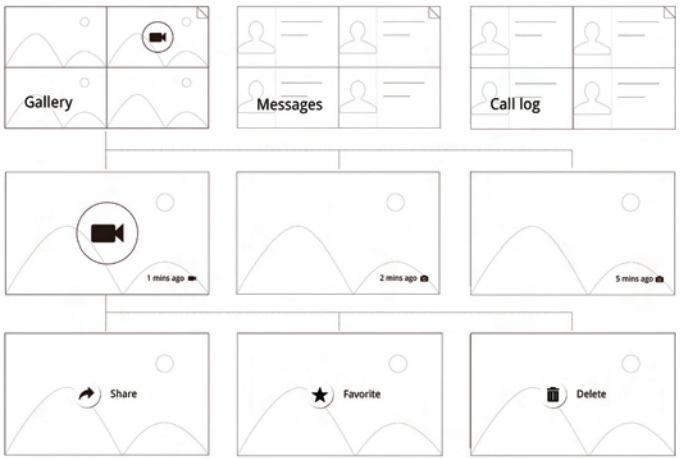
When using your new glass for the first time, you will find some glasses apps preinstalled on your device. Tap the touchpad on the main page to see all the available apps. The main page of the new glass is as shown below.

## Glasses Desktop

The Glasses Desktop is embedded with a voice engine, and connects to the Internet independently and runs applications. It synchronizes and shares resources generated by your new glass.

The interface of the Glasses Desktop is displayed by taking card as a unit, and its default main page is the Clock page. Using the touchpad, slide back for settings, slide forward for history, tap to display the app interface, slide downward for the previous page, and slide with two fingers for the homepage. The Glasses Desktop is as shown below.

The records generated when you use your new glass will be saved under different folders, including the photo album, SMS, and call log. Slide forward or backward on the touchpad to switch between folders, records or menus. Tap the touchpad to confirm your selection. See the figure below for an overview of the structure.



## Voice control

On the homepage, you can use direct voice commands to control your new glass, such as to take a photo or video, send SMS, or navigate. You can also ask questions. When you say 'Start' to the new glass, it will show recommended voice commands to you.

## Connect to Bluetooth.

Please connect to Bluetooth using the Glasses Manager app.

To enable the Bluetooth visibility of your new glass, do the following: Homepage -> Slide backwards to find Settings -> Tap the touchpad to enter the Settings page, and then select Bluetooth Settings. Once you enter the Bluetooth Settings page, your new glass will enable Bluetooth visibility automatically. Please stay on this page, and wait for your mobile phone to search for your device and perform Bluetooth connection.

## Connect to Wi-Fi network

On the Glasses Manager app, choose Add Wi-Fi Network. Generate a QR code as instructed, then scan this code with your new glass.

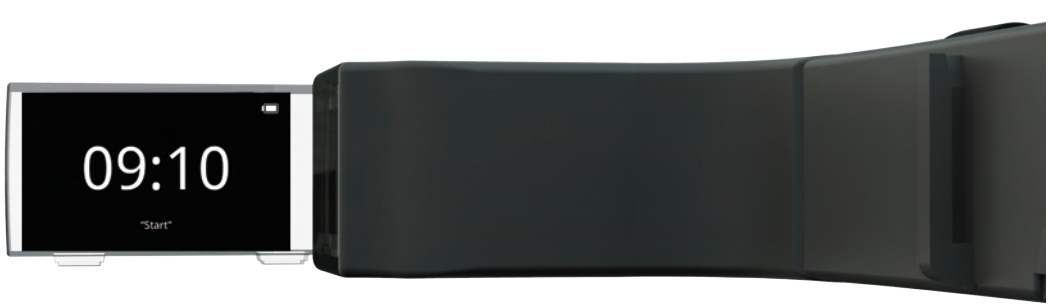
Perform the following procedure on your new glass: Homepage -> Slide backwards on the touchpad to find Settings -> Tap the touchpad to enter the Settings page and then choose Bluetooth setting -> Slide forward on the touchpad to enter Wi-Fi Settings -> Tap the touchpad to select the Add/Change Network menu -> Tap the touchpad to select Add Wi-Fi Network menu, and then scan the Wi-Fi QR code generated by the app after entering the scanning state.

Note: Currently, this device does not support networks with captive portals.

## Software installation

There are two versions of the new glass: the developer's version and consumer's version. You can differentiate between them by reading the device information. The developer's version has a text identification, while the consumer's version does not. The two versions have different requirements for software installation:

Developer's version: you can install any app, and install glasses apps using the Glasses Manager.
Consumer's version: you can only manage and install glasses apps using the Glasses Manager.



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