

eSense Compatibility Information

Last update February 2022



General

If you don't have a device yet and/or want to buy an extra device for the eSense, we recommend depending on your taste either

- a Nokia 2.4 (<https://amzn.to/3olUjyn>), a Nokia G20 (<https://amzn.to/35JPDvS>), a Motorola Moto E7i Power (<https://amzn.to/3GyOh3X>) or a Xiaomi Redmi 9a (<https://amzn.to/32WHvao>) if you prefer Android
- or
- a refurbished iPad in good condition (from bsw. <https://www.apple.com/uk/shop/refurbished/ipad> or <https://www.backmarket.com/refurbished-apple-ipad.html>) if you prefer iOS.

In our experience these options offer enough power for the eSense app, will remain upgradeable to upcoming Android and iOS versions for some time and are still reasonably priced.

The Android devices also still have a normal 3.5mm jack input and do not require an adapter for the eSense.

iOS devices, compatible with eSense

- **All iOS devices from version 12.5 or higher, which are (in part):**
- Apple® iPhone® 5S, iPhone® 6 / 6S, iPhone® SE / SE 2, iPhone® 7/7 +, iPhone® 8/8 +, iPhone® X, iPhone® XR, iPhone® XS, iPhone® 11/11 Pro, iPhone® 12/12 Pro
- Apple® iPad® from 5th generation (iPad Air) or newer, including all iPad Mini from 2nd generation
- Apple® iPad® Pro from 1st generation or newer
- Apple® iPod Touch® from 6th generation or newer
- **Note:** Some newer iOS devices without the classic 3.5mm headphone jack and with the newer Lightning / USB-C connector also work perfectly with the eSense. You either need an original Apple USB-C (<https://amzn.to/2OQYssu>) or original Apple Lightning (<https://amzn.to/2SJVg37>) to 3.5 mm connection adapter (not included in the scope of

delivery of the eSense). Alternatively, you also can use any other adapter with a DAC chip. We recommend this adapter on Amazon: <https://amzn.to/2SnAUA1>.

Important notice on iOS devices and the **eSense Pulse**:

Your iOS device needs to support **Bluetooth 4.0 LE** (sometimes also referred to as **Bluetooth Low Energy** or **BLE**) which is supported from iOS 5. But we recommend the devices listed above.

Important notice for iOS 7 or higher and the **eSense Respiration, Skin Response** and **Temperature**:

The eSense Skin Response and eSense Temperature are working through the **microphone port**. In iOS you have to allow explicitly that the eSense app may use the microphone port, otherwise it will not work. You are asked for this during installation, please answer with “Yes” or “Allow”. After installation you can make this setting manually: Allow the eSense app to use the microphone port in the system settings of your iOS device: Settings -> Privacy ->Microphone

Android devices, compatible with eSense

- **All Android Smartphones and Tablets from Android 7.0 (Nougat).**
- If you plan on purchasing a device for using the eSense, we suggest Nokia 2.4 (<https://amzn.to/3olUjyn>), a Nokia G20 (<https://amzn.to/35JPDvS>), a Motorola Moto E7i Power (<https://amzn.to/3GyOh3X>) or a Xiaomi Redmi 9a (<https://amzn.to/32WHvao>) as an inexpensive entry-level device.

Important notice on Android devices for the **eSense Pulse**:

Your Android device needs to support **Bluetooth 4.0 LE** (sometimes also referred to as **Bluetooth Low Energy** or **BLE**) which is supported from Android version 4.3 (Mid 2013). But we recommend Android 4.4 and higher anyway. So generally, the eSense Pulse works fine with most current Android devices.

Important notice on Android devices for the **eSense Respiration, Skin Response** and **Temperature**:

Your Android device needs a **3.5 mm input for external microphones/headsets**. Most devices have this input, often included in the headphone jack. If no 3.5 mm input for external microphones is present, such as with the Google Nexus 7, you cannot use the eSense. (All iOS devices specified above have this input.)

For Android devices without a headphone jack, you can use an adapter with a DAC chip. We recommend this adapter on Amazon: <https://amzn.to/2SnAUA1>

Some old Android devices which have a microphone jack will only work with eSense with a small adapter cable. This cable inverts the pin assignment of the 3.5mm microphone input. **Each eSense is delivered with this adapter cable.** If you find that your eSense does not work with your Android device, please use the adapter!



Here are some Android devices we tested and can confirm that **they work well with the eSense Pulse, Respiration, Skin Response and Temperature (Whitelist)**. (This list is only a very small sample and most available Android devices worldwide work fine with the eSense):

- Google Pixel 2 (Smartphone)
- Motorola Moto E7i Power (<https://amzn.to/3GyOh3X>) (Smartphone, our recommendation)
- Nokia 2.4 (<https://amzn.to/3oIUjyn>) (Smartphone, our recommendation)
- Nokia 3 (Smartphone)
- Nokia 5 (Smartphone)
- Nokia G20 (<https://amzn.to/35JPDvS>) (Smartphone, our recommendation)
- Samsung Galaxy S7 (Smartphone)
- Samsung Galaxy S8 and S8+ (Smartphone)
- Samsung Galaxy Tab S2 (Tablet)
- Samsung Galaxy Tab A 2018, 10.1" (Tablet)
- Samsung Galaxy Tab A 2019 (SM-T510) (Tablet)
- Samsung Galaxy Tab A7 (Tablet)

- Samsung Galaxy Tab A10 (Tablet)
- Samsung Galaxy Tab S7 (Tablet)
- Huawei P10 (Smartphone)
- Huawei Honor 9 Lite (Smartphone)
- TECLAST P80X (Tablet)
- Xiaomi Redmi 9a (<https://amzn.to/32WHvao>) (Smartphone, our recommendation)

The following Android devices will NOT work with the eSense Respiration, Skin Response and Temperature (Blacklist). There may be a few other devices not on this list which will not work. When in doubt, please check the Microphone jack as described above!

- Google Nexus 7 (no build in 3.5mm microphone, just a headphone bush)
- Amazon Fire 8 HD (before model 2018 with model no.: KFKAWI, no signal)
- Huawei Honor 6A (strange “breakdowns” in signal during session, unique behavior of this device, never seen before, maybe the test device is defective?)
- Lenovo Tab M10 HD (app is not starting)