

Small, Simple, Smart ECG Patch

<sup>®</sup>  
**S-PATCH**



## Medical grade heart monitoring and analysis solution



Lightweight and convenient  
patch-type wearable device



Provide a comprehensive  
monitoring and analysis solution



# Innovative Lightweight & Comfortable Wearable

S-Patch is the Key  
to your seamless and unmatched  
continuous ECG monitoring.

## Holter

24/48 hour  
Holter

## CEM

Cardiac  
Event Monitor

## MCT

Mobile Cardiac  
Telemetry

## Extended Holter

14 days

**4-in-1 Test Capability**

All the remarkable power of **S-Patch**,  
crafted into the lightness of just **two sheets of paper.**

### Recent S-Patch achievements

- S-Patch launched in over 16 countries
- S-Patch deployed to over 600 Hospitals and Clinics worldwide
- S-Patch received FDA 510K Clearance
- S-Patch certified CE, ISO 13485, MFDS, GMP

**GLOBAL  
CERTIFICATION**

**FDA**

**CE**  
0068

  
Ministry of Food and  
Drug Safety

**ISO**  
ISO 13485

  
Australian Government  
Department of Health



 Health  
Canada

  
อาหารและยา  
Food and Drug Administration

# Single lead wearable patch

## Powered by Samsung Smart Health Processor



### Clear P-wave

- Lead II position visualizing intact P-waves



### Showerproof

- Water-resistant patch (IP55 grade)



### Cable-Free & Offline Test

- Built-in memory without data loss
- Offline mode with data storage
- Wireless data upload



### Reuse by quick swap

- Fast and simple replacement of battery & adhesives
- Compatible with commercially available coin battery and electrode

Optimized Test Period.  
Minimized Weight.

## S-PATCH EX

Test Duration

**1~3 days**

Weight

**8g**

FDA clearance

**Aug. 2023**



## S-PATCH EXL

Test Duration

**14 days**

Weight

**11g**

FDA clearance

**Feb. 2024**

Every S-Patch lineup is prepared with Long Lead version :  
x2 extended lead length for various body sizes

# Integrate S-Patch into Your Platform

## Accelerate Rollout with the **S-Patch SDK**

The S-Patch Software Development Kit (SDK) enables mobile app developers to quickly build and deploy custom gateway apps that connect to S-Patch and capture continuous ECG recordings.

Wellysis S-Patch is the most seamless digital health technology we've ever implemented. Their exceptional solution and expert team made deployment effortless, enabling us to achieve full-scale adoption in record time.



*by a leading IDTF provider*



### SDK Features

- Maintain reliable connection to S-Patch
- Activate measurements of continuous ECG
- Receive real-time as well as recorded ECG data
- Enable motion data (activity level, posture, fall)
- Receive patch battery level
- Reset and erase recorded data

### SDK Benefits

- Fast-track integration of S-Patch into your existing platform
- Get access to built-in algorithms around heart rate and motion
- Quickly build & deploy custom app for both Android and iOS
- Easily manage different versions and models of S-Patch
- Ensuring exceptional reliability with full documentation & support

### Who we work with

#### **IDTF** for MCT/Holter

Independent Diagnostic Testing Facility

#### **RPM** Service Providers

Remote Patient Monitoring

#### **Cardiac Monitoring** Platform

Long-Term Cardiac Monitoring & Data Analysis

#### **Clinical Research** Organizations

Trials & Researches

# Unlock the power of FDA-cleared ECG sensor

Enhance your cardiac monitoring applications with medical-grade ECG data



## Package Includes



S-Patch SDK Library



Example App with Source Code



Documentations (README)



Technical Support

## SDK Supports

| Platform             | Supported Version | Language     |
|----------------------|-------------------|--------------|
| Android OS           | Ver 10 or higher  | Kotlin, Java |
| iOS OS               | Ver 15 or higher  | Swift        |
| React Native Library | Ver 0.7 or higher | -            |

## Professional Services

- Assist in integrating S-Patch into your platform based on your Web Services API
- Provide reference model and best practice around real-time vs. offline data acquisition

Discover how S-Patch SDK can transform your healthcare applications

Scan the QR code to explore more!



# S-Patch Use Cases

## Ambulatory care

### Quick & Easy Diagnosis

1. Patients with heart related symptoms such as palpitation, shortness of breath, syncope, etc., visit hospital or primary care doctor
2. A doctor prescribes ECG test (including duration)
3. A nurse helps patients to wear S-Patch and begin the test
4. Patients return home and wear it during prescribed days
5. S-Patch App will automatically end the test and upload the test based on prescribed duration
6. Once the test is available on the cloud and analysis completed
7. Doctor checks the test from the cloud and finalize the diagnosis and generate clinical report



 **Hospital Universitario  
12 de Octubre**

## Health Checkup / IDTF

### Detect & Prevent

1. Visit Health Checkup center
2. After full checkup, wear S-Patch & go home
3. 2 days later, the app automatically uploads the test and the test is analyzed
4. Return the device to the center via mail
5. Receive a clinical report signed by Cardiologist



 **SAMSUNG MEDICAL CENTER**

## Sports / Rehabilitation

### Know your potential

1. Before exercise, wear S-Patch
2. Continuously monitor ECG during exercise
3. Check real-time ECG using a phone or watch
4. Mark type of exercise using Patient diary
5. After completion of exercise, upload data to the cloud
6. Once the analysis is completed, check for abnormalities during each session



## Remote Patient Monitoring

### My Cardiologist online

1. During Teleconsultation a doctor prescribes ECG test to the patients
2. S-Patch is delivered to patients' home with instructions to wear S-Patch
3. After test is completed (prescribed days), S-Patch app automatically uploads to the test to the cloud where the test is analyzed and annotated by the system
4. Return the device to the center via mail (or purchase the device for more test)
5. Follow-up teleconsultation is scheduled, and test results are shared with the patient by the doctor



Please refer to the cardiologist if an arrhythmia is suspected

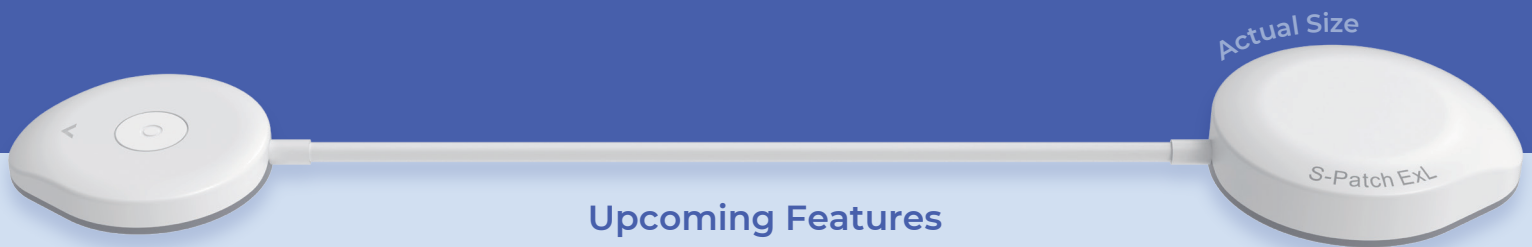
# Wear it. Be healthy.

## Transforming Healthcare from CURE to CARE

Wellysis is a digital healthcare solution company,  
a spin-off from Samsung SDS

S-Patch powered by Samsung Smart Health Processor was awarded  
HIMSS ASIAPAC INNOVATION AWARD FOR ARTIFICIAL INTELLIGENCE

If you want further information about Wellysis S-Patch solution,  
please contact [info@wellysis.com](mailto:info@wellysis.com), or access [www.wellysis.com](http://www.wellysis.com)



### Upcoming Features



Real-time AI



Multi-Sensors



Personalization



Integration

[www.wellysis.com](http://www.wellysis.com)

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**Wellysis**