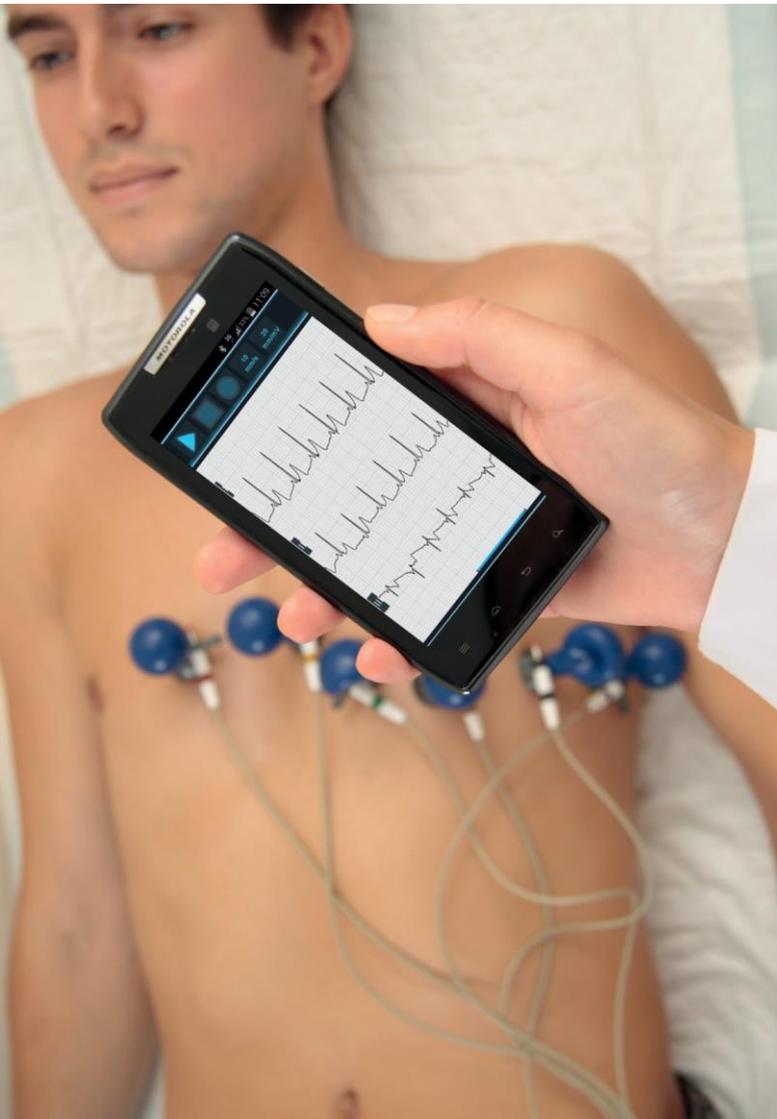


# POLY-SPECTRUM-8/G

Ready-made Solution  
for Remote ECG Acquisition and Analysis



Full-featured 12-channel ECG recording (acquisition and displaying)

User-friendly touchscreen interface

Real-time ECG consultations even if a patient is about thousand kilometers away

ECG review and interpretation at cloud server in a couple of seconds

Ready-made solution



# Features

## High-speed Performance and Easy-to-use Features are the Main Principles of ECG System Operation

Poly-Spectrum-8/G system consists of three main components: 12-channel ECG system (1) powered by regular batteries that communicates ECG via Bluetooth interface, Android-based smartphone (2) with installed **Poly-Spectrum-Mobile** software that receives the data from ECG system, displays them on the screen and stores in database and cloud service (3) hosted in Neurosoft Company servers that uploads data (ECG) from smartphone, interprets it and sends interpretation back. In complex cases it is required to obtain ECG consultations in a telemedicine centre (4). ECG is sent to this center by e-mail where it is interpreted by qualified specialists.

### The System Operation is Very Simple:

1. Switch on the ECG system and start the monitoring using the main program window.
2. Record ECG.
3. Analyze the recorded ECG. It can be done the following way:
  - obtain the automatic interpretation using the cloud service;
  - send ECG via e-mail to get the high-quality interperation of telemedicine center specialists;
  - use both options.

## Full-featured 12-channel ECG Recording

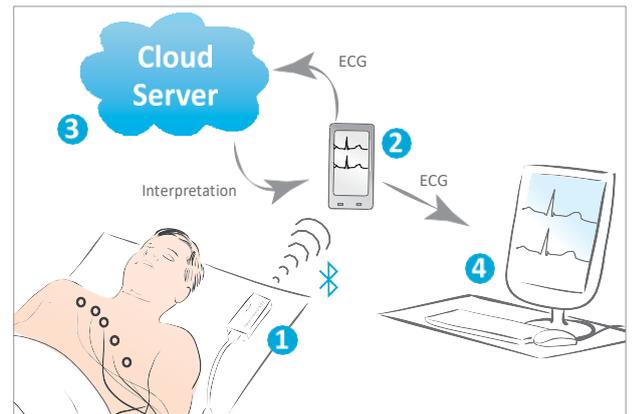
The standard 12-lead ECG is recorded with **Poly-Spectrum-8/EX** digital system.

## User-friendly Touchscreen Interface

The Android-based application is easy-to use and can be installed to any compatible smartphone or tablet. The computer skills for ECG acquisition are not required.

## Real-time ECG Consultations Even if a Patient is About Thousand Kilometers Away

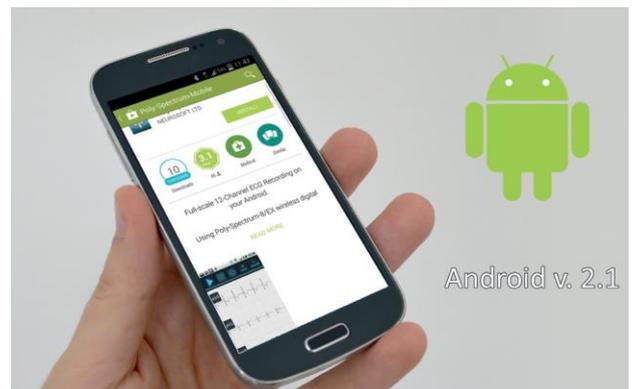
The remote support of qualified specialists in making diagnostic and clinical decisions on ECG interpretation results can be used when it is needed mostly.



Operation diagram



Poly-Spectrum-8/EX — wireless miniature ECG system



Compatible with any smartphone or tablet



Landing of ISS-9 crew (Kazakhstan). ECG acquisition

## ECG Review and Interpretation at Cloud Server in a Couple of Seconds

The recorded ECG can be analyzed by our cloud server that generates ECG interpretation automatically. The cloud server benefits include quick calculations, reliability and automatic update of analysis algorithms.

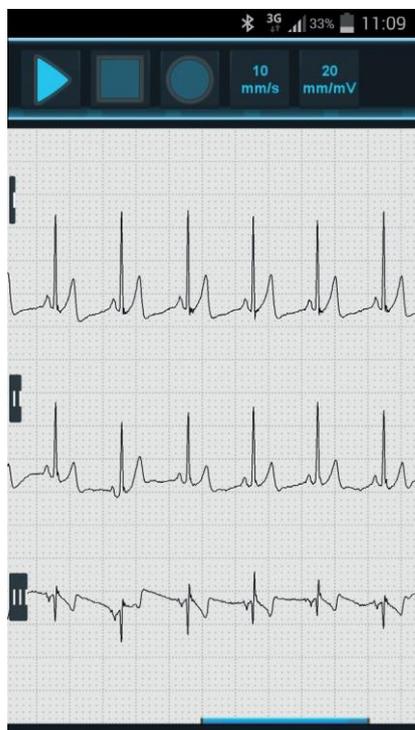
### Ready-made Solution

The system is extremely easy to set-up. In any case we offer free online training and installation support for all our customers.

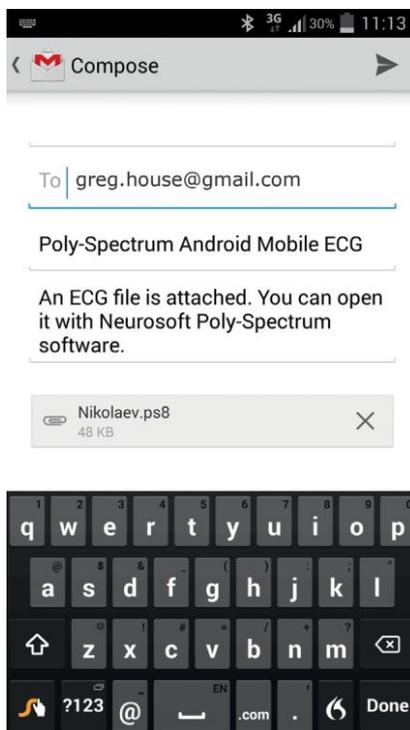


ECG acquisition in ambulance car

# Poly-Spectrum-Mobile Software



ECG recording



ECG sending by e-mail



Automatic ECG interpretation result

Download  
[Poly-Spectrum-Mobile](#)  
software for Android-based  
devices



Read  
[Poly-Spectrum-8/EX](#)  
description



Ask question  
on "Technical  
Support" page



# Applications

- Cardiologist's office
- Home care
- Hospitals
- Telemedicine
- Private doctors
- Rescue teams

## Delivery Set

- Poly-Spectrum-8/EX electronic unit
- Elastic belt with push-in buckle
- Reusable limb clamp ECG electrode (Italy) – 4 pcs.
- Reusable precordial suction chest ECG electrode (Italy) – 6 pcs.
- Disposable ECG electrode (50 pcs.) (Italy)
- Patient cable for reusable electrodes for Poly-Spectrum (1.3 m)
- Adapter for disposable ECG electrode with "button" clip (Italy) – 10 pcs.
- Bluetooth adapter
- Electrode spray (bottle with dispenser 200 g)
- Charger with Ni-MH rechargeable batteries of AA type (R6)
- Poly-Spectrum.NET software with Poly-Spectrum.NET/Analysis software module for ECG measurement and interpretation
- Poly-Spectrum.NET/Express software for ECG acquisition and printing
- Galaxy S4 smartphone
- Poly-Spectrum-Mobile software for Android-based smartphone or tablet to record and analyze 12-channel ECG and upload it to any other computer via Internet
- Receiving station: computer, printer, table
- User and technical manuals
- Transportation bag



## Poly-Spectrum-8/EX Features

- Wireless 12-channel ECG recording using Bluetooth interface (up to 7 meters distance)
- High-quality recording as it is free from cable movement artifacts and noise
- ECG measurement and interpretation with automatic report generation
- 1 respiratory channel
- Wide extension capabilities



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