SE-1515 PC ECG Release Note

This is the Release Note of SE-1515 PC ECG. This note will introduce the new sampling box-DE15, and the main features of the PC software, in order to present you an overall idea of this new product. For detailed information, please refer to its catalogue or contact EDAN sales representatives.

Overview:

SE-1515 PC ECG is a 15/16-lead PC-based ECG model, which consists a PC software and a sampling box. It can accommodate users to conduct 15/16-lead Resting ECG, 12-lead Resting ECG, 12-lead Stress ECG and Data Management. This software is compatible with **WINDOWS XP, 7 and 8 O.S**. The **German, French, Italian, Spanish and Russian** versions are also available at the moment.

The Newly-designed DE15 Sampling Box:

1. **Separated Lead Wires**
   Separated ECG leadwires makes it easy to plug or unplug any single lead without changing them all.
2. **Color-coded Leads**
   Color-coded leads conduct clinicians to find the right lead wires at a glance.
3. **ECG Signal Quality Indicator**
   Users can quickly identify the poor or missing ECG signals by visual color-coded indicators.
4. **One-touch Button**
   One-touch button on the sampling box enables to start or stop ECG acquisition directly without going to PC side.
5. **Enhanced Tech Specs**
   - The sampling rate is as high as 16,000Hz which makes sure the ECG waveforms more accurate.
   - The high CMRR over 140dB and comprehensive filters ensures clear waveforms for viewing and reporting.
   - The wide bandwidth 0.01-300Hz enables pediatric ECG diagnosis more accurate according to AHA 2007.

Software Features:

1. **15/16-lead ECG Sampling**

EDAN

With DE15 sampling box, SE-1515 is able to sample 15/16-lead ECG simultaneously by adding right side chest leads (V3R, V4R, V5R) or posterior leads (V7, V8, V9) to help clinicians confirm Myocardial Infarctions(MI) and prevent patients from sudden death.

2. **Long-time ECG sampling**

    SE-1515 allows up to 30 minutes ECG sampling, and full disclosure data enables to review every beat and arrhythmia.

3. **Automatic arrhythmia detection**

    Arrhythmia can be detected, highlighted and saved automatically during ECG sampling for clinicians' further analysis.

4. **Manual diagnosis**

    Any parts of waveforms allow to be frozen, zoomed in, measured and printed during an ECG examination.

5. **Leads reversal**

    Clinicians can reverse the leads in wrong placement directly on the software without changing the placements on the patients and performing another ECG acquisition.

6. **Event mark**

    Every arrhythmia or remarked waveforms can be saved as events automatically for clinicians' further analysis.

7. **ECG reports comparison**

    Clinicians are allowed to retrieve the historic reports and compare them with the current ones when they are doing analysis.

8. **Proof for diagnosis**

    Proof for diagnosis is newly included in the diagnosis results, which helps to get more convincing reports and make correct decisions.

9. **Complete Evaluation for Stress ECG**

    Complete evaluation methods for stress test: METs, Double Product, Duke Score as well as FAI are evaluated in your stress test, which presents clinicians more complete references to make proper decisions.

10. **Ideal ECG Networking Solution**

    One SE-1515 software can work as a server to share its database, and the other SE-1515 as clients are allowed to access the database to review, edit, print and export reports on different sites.

The Configuration Sampling Box:

1. **DE15 (support 15/16-lead wired sampling)**
    Perfect for 12/15/16-lead resting tests
2. **DX12 (support 12-lead wireless sampling)**
    Ideal for 12-lead stress tests
3. **DP12 (support 12-lead wired sampling)**
    Cost-effective for 12-lead resting tests

EDAN