

# Galaxy

## Advanced Sleep Diagnostics

### Want to get more from your sleep diagnosis?

**Galaxy** is a full feature advanced sleep diagnostic platform. An integrated EMR database provides easy workflow management and access from every workstation in the network.

The graphic display with multiple views in both reviewing and recording gives the user instantaneous information at a glance.

Extensive analysis, reporting and exporting tools makes sleep analysis easy and more interesting for clinical as well as research goals.

Galaxy is compatible with a large range of sensors and amplifiers

- Galaxy offers you a new diagnostic technology for a new area in Sleep Medicine
- Internet enabled
- Efficient workflow management
- Advanced analysis and reporting



# Galaxy Specifications

## Integrated EMR with SQL database

- Patient management, scheduling, and work-flow management, archiving.
- Consultation and clinical document management.
- Clinical outcomes analysis option.
- Data mining options.
- Access from every workstation in the network.
- Cloud storage option.
- Management of multiple centers.

## Quick review and scoring with multiple views

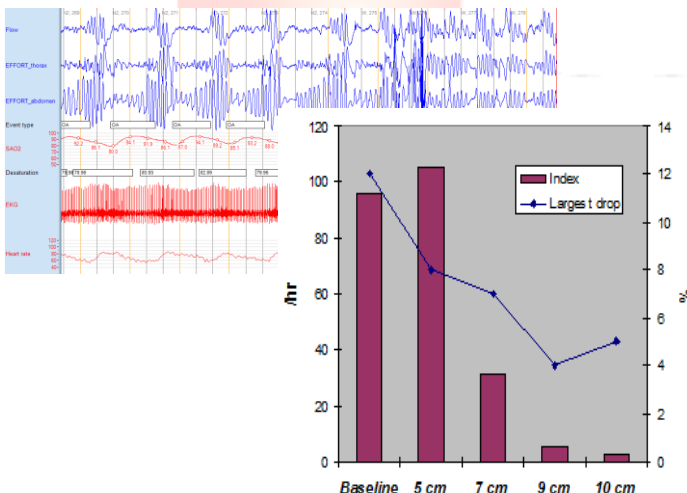
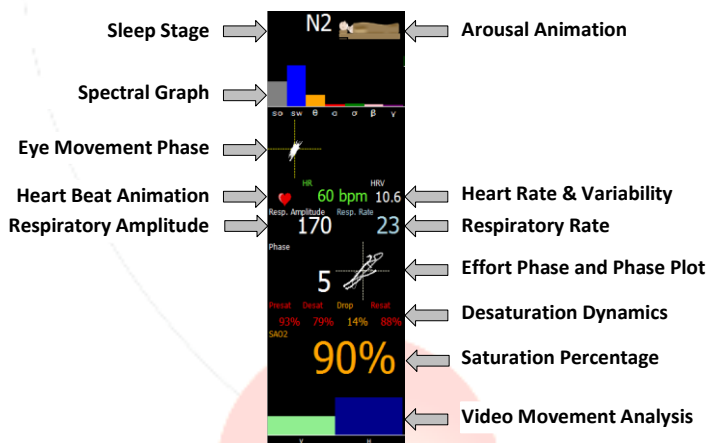
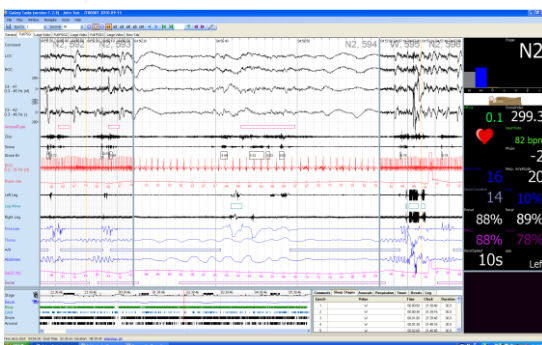
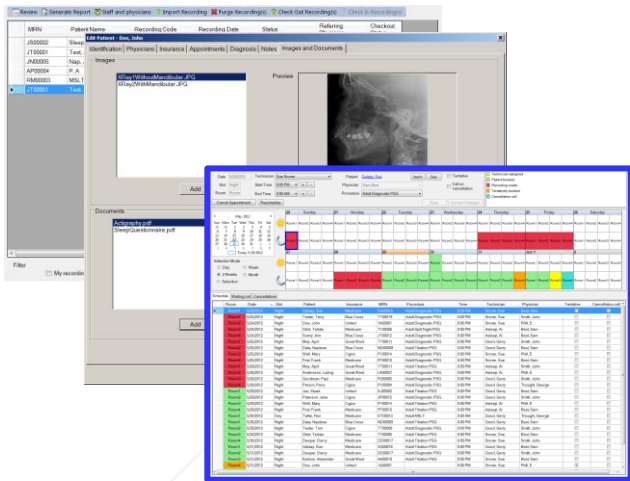
- User selectable 3 window display for past, present and future waveform viewing in data collection and review.
- Multiple time bases on one screen for more efficient reviewing.
- Synchronized digital video with IP camera, which does not need any extra wiring.

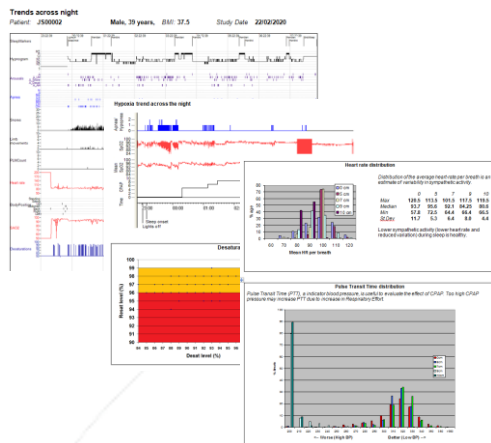
## Dynamic Summary Window

- Unique Dynamic Summary Window displaying a wide array of sleep parameters, graphs, plots & animations.
- Information in the Dynamic Summary Window is updated every second.
- Information in the Dynamic Summary Window is user selectable in both collection and analysis modes.

## Advanced analysis tools

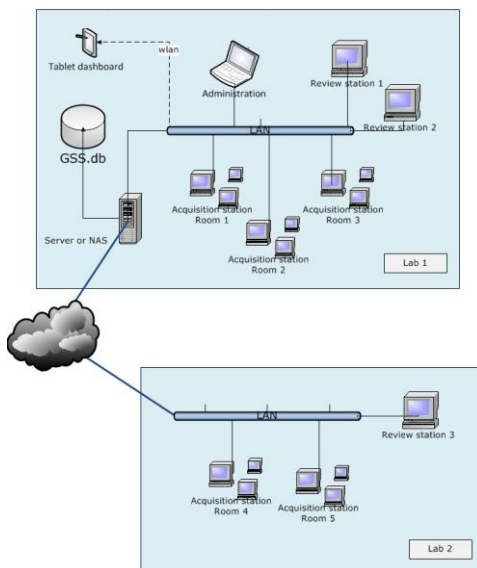
- Manual and automatic scoring compliant with AASM rules.
- Intelligent automatic scoring algorithms during collection and review.
- In-depth analysis tools, including Pulse Transit Time and phase analysis.
- New advanced PHi proprietary algorithms for SaO2, Respiration, ECG analysis.
- Clear graphical presentation for more easy interpretation.





## Advanced reporting

- Recommendation and prescription letters without transcription costs.
- Standard AASM and trend reports.
- Advanced reports on PTT, cardiac and respiratory instability.
- Custom reporting.
- QA reports.
- Report export in various formats (e.g. pdf, Word, Excel).
- E-book and tablet options.



## GSS cloud based system

- GSS (Galaxy Storage and Support) is an intelligent, internet accessible and removable 2 TB hard drive.
- GSS is the heart of Galaxy, acting as Database, Automatic backup and Central repository of algorithms and settings.
- GSS connects fixed and virtual multiple workstations together.
- GSS provides central mass storage, archiving and cloud monitoring functions.



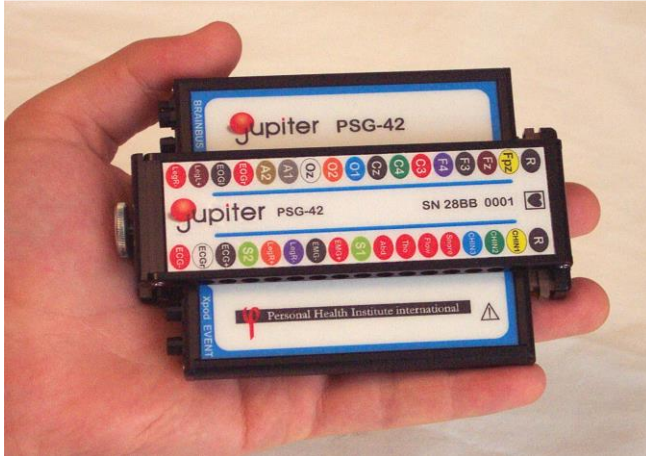
## Various amplifiers

Galaxy supports various amplifiers from small ambulatory devices to lab amplifiers and high density EEG amplifiers.

- Compact **Jupiter** laboratory amplifier.
- **Saturn** ambulatory amplifiers with up to 32 channels EEG/PSG and true DC recording.
- **Neptune**, a truly wireless wearable amplifier for 11 channels polygraphy and up to 72 hours continuous recording time.
- High precision, **high density** EEG amplifiers, with 64, 128, 256 inputs + 8 aux inputs for external sensors that need power.



## Jupiter amplifier



The **Jupiter** lab amplifier is a compact amplifier, offering a flexible choice of channels.

The sophisticated combination of amplifier and headbox, worn in a pouch, gives an increased freedom of movement.

No special wiring, move to any ward in minutes.

Single cable easy disconnect.

Plug and play daisy chain up to 256 channels.



### Specifications

- Light weight compact 42 channel PSG amp (9.5 x 10 x 1 cm / 3.7 x 4 x 0.4 inch, 150gms).
- Amplifier and headbox in one enclosure.
- Flexibility in 32 channels for EEG/EOG/EMG, ECG, respiration, etc.
- 8 DC sensor channels.
- SpO2 and Event channel.
- 4 Channels for external devices.
- Amplifier can be extended up to 256 channels.
- Ethernet connection – no special cables for amplifier.
- Galaxy controlled impedance check.
- Sample rate up to 2048 per second. Compatible with a large range of sensors.
- Maximal input signal of 10 mV peak/peak.
- Input noise less than 1  $\mu$ V.
- 16-bit A/D, 0.17895  $\mu$ V resolution.
- Windows7 32/64 bit.
- From 1280x1064 till 2560x1920 screen resolution.
- IP Infrared Camera.
- Dual Ethernet port PC.

### Contact

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