An enhanced platform

Ease-of-use

1. Friendly navigation with clear and pull buttons.
2. Easy night time viewing. Touching the wheel or the ramp button, illuminates the screen and automatically turns off after 30 seconds. The new back to screen driven patient's interface is master view from back to the device.
3. The screen information is available in a number of international languages. A universal icon option is also available.

Reliability

Through a combination of the intelligently designed water chamber, the risk of water ingress into the device is virtually eliminated. A filled water chamber may be tilted and even turned upside down without leaking back into the device.

System One: a quality choice

In addition to the enhanced features and appearance of System One, we’ve built even more quality and durability:

• Among the quietest sleep therapy systems available
• Water ingress protection thanks to the water chamber design and Dry Box technology
• Durable, easy to connect, top-mount tubing connections

Commitment to quality excellence has earned Philips Respironics the prestigious 2011 Manufacturing Plant of the Year by Assembly Magazine.
The System One REMstar Auto algorithm provides the latest technology in sleep apnea treatment. In head to head comparative studies, the REMstar Auto better suppresses obstructive events at significantly lower pressure levels and has the most hours of patient use per night. Furthermore, when compared to conventional CPAP, patients have preferred treatment with the REMstar Auto.

References
1 Hertegonne, K. et al. Respiration 2007
3 Nussbaumer, Y. et al. Chest.

Advanced event detection
In addition to monitoring apnea, hypopnea, flow limitation, snoring and leaks, our advanced event detection recognizes and reports RERA, Periodic Breathing such as Cheyne-Stokes respiration, and also distinguishes obstructed airway events from clear airway events, informing you when a more advanced therapy device may be required.

Advanced event response
Thanks to our advanced event detection, our algorithm does not react to clear airway events, reacting only to obstructive events and therefore providing excellent treatment efficacy.

New Opti Start feature on the REMstar Auto
The initial setting is recalculated every 30 hours depending on the 90% pressure during the night. It will reduce the likelihood for events at the beginning of the night.

Flex technologies
C-Flex, Bi-Flex, A-Flex and C-Flex+ are our clinically proven technologies that improve patient comfort while maintaining treatment efficacy. Thanks to our advanced Digital Auto-TRAK algorithm that detects the onset of inspiration and expiration, our Flex technologies deliver just the right pressure relief at the right time, making it easier for patients to adapt to therapy. C-Flex is our newest advancement, to continue relief for our advanced CPAP units. The out-board Flex demo mode allows patients to feel the difference, simply by pressing a button.

New mask fit and seal monitoring
System One can check mask fit and seal and let patients and clinicians know the status in real-time, even when the device is off.

15 mm tubing
System One also features a 15 mm tubing option, offering excellent comfort, as it is flexible, light, easy to pack and quiet when in operation.

Proven efficacy, smart comfort, and improved follow-up for optimized patient compliance, on an enhanced platform

EncorePro 2 takes patient performance to an even higher level

Simple and intuitive
Users will find it easy to understand and, thanks to its tabbed navigation system, finding data becomes more intuitive.

Efficient
The device remembers individual patient requirements and prioritizes actions according to levels of urgency. Summaries, notifications, and interactive tracking for critical patient information ensures excellent patient management.

Secure
It helps to comply with increasingly strict patient data security needs by providing a secure way of storing information.

SD card
The storage capacity of a 4GB memory SD card permits to save patient's detailed therapy data. Thus, patient air flow waveforms may provide crucial information and simplify the patient's therapy follow-up.

Memory on board
For additional data safety, a back-up memory has been trade enabled on the device, avoiding any accidental loss of vital information. Furthermore, recording of data can be stored when performing manual titration with PC Direct.