



Vivo 45LS reimagined

Clarity in setup, comfort in synchrony, calm in alarms

Breas is excited to celebrate the most significant upgrade to the Vivo 45LS since its launch, featuring powerful enhancements and improvements delivered through the latest firmware update. These updates elevate performance and usability, making now the perfect time to get reacquainted with the device. We invite you to rediscover the Vivo 45LS.



What is enhanced?

Easier to start. Easier to transition.

The update introduces guided setup and clearer configuration to help streamline patient onboarding and reduce unnecessary complexity during setup.

Guided setup to help display the relevant modes and settings based on patient configuration.

Inspiratory flow trigger to offer a familiar option for patients transitioning from other ventilator platforms.

Ramp to help patients ease more comfortably into therapy.

More precise tidal volume steps to support closer alignment with individual patient needs.

Additional home adjust parameters to allow selected comfort settings to be managed within clinician-defined limits.

Additional on-screen coaching to support caregiver confidence with timely guidance.



What has improved?

Calmer nights. More confident care.

The latest release improves everyday usability by addressing common pain points in home ventilation: setup complexity, patient comfort during transition, alarm burden, caregiver confidence, and clinical follow-up.

Enhanced disconnection alarm behavior designed to better distinguish expected leaks from true disconnection events.

Auto low-pressure alarm adjustment to help keep alarm settings aligned when inspiratory pressure is changed.

Refined SpO₂ monitoring settings to support titration workflows and overnight monitoring.

Auto relock to home mode to help reduce the risk of unintended changes after clinical setup.

Standby event logging to improve traceability of activity and support service follow-up.

Protected memory data to help prevent accidental erasure of alarm and event logs.



Vivo 45LS

by Breas

We're reintroducing the Vivo 45LS with thoughtfully designed enhancements that streamline setup while prioritizing comfort and support for both adult and pediatric patients.

Enhancement	Benefit
Simplified setup	Input provided in guided setup menu (eg. patient height, interface, and circuit type) results in sharper and more precise algorithms that deliver care tailored to the patient with every breath.
Inspiratory flow trigger	A familiar feel and more choices lead to seamless transition for patients coming from flow-triggered devices. In addition to eSync, Breas has expanded the inspiratory trigger options to match each patient's comfort and help reduce asynchrony.
Ramp	Optional ramp settings (10-60 min) now available, designed for a more comfortable transition into treatment.
Auto setting for low-pressure alarm	Optimized auto setting keeps the low-pressure alarm aligned with the set inspiratory pressure and instantly updates when the pressure is adjusted.
Auto relock to home mode	The device automatically adjusts from clinical to home mode after 10 minutes with no interactions.

Improvement	Benefit
Disconnection alarm	Using the setup inputs, as well as settings for sensitivity and delay, the algorithm is designed to discriminate between minor leaks and genuine disconnection or decannulation.
Pressure support in SIMV	For SIMV, this provides easier transition to the Vivo 45LS, and aligns with most ventilator settings and physician prescriptions.
Expiratory flow trigger	For spontaneous breathing modes, this adjustment to percentages provides easier transition to the Vivo 45LS, and aligns with most ventilator settings and physician prescriptions.
Incremental tidal volume steps	Provides more precision in tidal volume settings during patient setup.
Event logging in stand-by	Events occurring while the device is in standby mode are now captured in the alarm and event history, ensuring full traceability of activity.
Memory data erasure	Alarm and event logs are securely stored, preventing accidental erasure.
Additional home adjust parameters (HFNT and AutoEPAP settings)	Home adjust enables easy patient/caregiver control of multiple settings, within physician-set limits, to improve comfort and synchrony.
Additional on-screen coaching	Improving caregiver confidence with important reminder messages to provide additional on-screen guidance.
Expanded clinical/home languages	Multiple menu language options now available in clinical and home modes.
SpO2 monitoring settings	Refined settings make this ideal for titration workflows and help maintain secure monitoring during sleep.

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