



Quick reference guide Infinity[®] Acute Care System

Infinity M540 patient monitor Software VG7.n

This Quick reference guide is not a replacement or substitute for the Instructions for Use.

Any use of the medical device requires full understanding and strict observation of the Instructions for use.

Contents

Contents	2
Trademarks	3
Side view of the M540	3
Dialogs	4
Calibrating the touchscreen	4
To select a view.	4
Discharging a patient	4
Selecting a new patient category	5
To adjust the alarm volume	5
Pausing acoustic alarm signals (audio pause)	5
Pausing alarms at the M540	6
Pausing alarm monitoring temporarily	7
Activating or deactivating alarm monitoring	7
Setting the upper and lower alarm limits.	8
Archive function	8
To access stored events	9
Electrode placement	10
ECG parameter setup functions	12
Respiration parameter setup functions	14
SpO2 and Pulse CO-Ox monitoring with Masimo	
SET MCable	16
SpO2 and pulse rate monitoring with Nellcor	
OxiMax MCable	17
Temperature parameter setup functions	18
Non-invasive blood pressure parameter setup	
functions	19
To assign a pressure label manually	20
Zeroing a specific transducer	20
Invasive pressure parameter setup functions	21
Mainstream CO ₂ monitoring	22
Microstream CO ₂ monitoring	23
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Trademarks

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Side view of the M540



- A Non-invasive blood pressure connector
- B Temp (2) / Aux connector
- C SpO2 connector
- D Hemo connector
- E CO2 connector
- F ECG connector

Dialogs

To access parameter-specific setup pages directly, touch the corresponding parameter fields on the main screen.

Calibrating the touchscreen

If the touchscreen is out of alignment, the user can calibrate it at any time.

To calibrate the touchscreen

- 1 Touch the *Menu* function key.
- 2 Touch the Screen setup tab > Settings tab > Touch calib.
- Touch each cross appearing successively in each corner of the screen. or
- 1 Push and hold the following two keys simultaneously:
- 2 Touch each cross appearing successively in each corner of the screen.

To select a view

• Touch the currently selected function key several times (for example, *View 5*) to scroll through the available view labels.

Discharging a patient

A patient discharge has the following effect at the M540:

- All demographic data are removed from the screen
- Any active recordings are canceled at the Cockpit if the M540 is docked in an IACS configuration
- Factory or user default limit settings are restored
- The message Discharged, Touch screen to resume monitoring appears

To discharge a patient

Press the **Discharge** function key (if available for display).

or

- 1 Press the *Menu* function key.
- 2 Touch the Main tab.
- 3 Touch Discharge. The message Caution discharge will delete patient data appears.
- 4 Touch Discharge.

Selecting a new patient category

After selecting the patient category, the new patient category label appears in the header bar.

A patient category change does not affect the following settings: the patient and physician names, patient ID, birth date, admit date, height, and weight.

To select a new patient category

- 1 Press the *Menu* function key.
- 2 Touch the Patient setup tab.
- 3 Touch Patient category and then select the appropriate category (Adult, Pediatric, Neonate). The message Changing category will change alarm settings and algorithmic processing appears.
- 4 Touch OK.

To adjust the alarm volume

- 1 Press the Alarms function key.
- 2 Touch the *Alarm volume* button and select the desired volume level (*Off*, 5%, 10 to 100% in increments of 10%).

When the M540 is on wireless transport in an IACS configuration or in standalone mode and it loses its connection to the ICS, the alarm volume setting is automatically set to 100%. The setting **Off** is no longer available until the connection to the ICS is restored.

Pausing acoustic alarm signals (audio pause)

Active alarms can be paused, or silenced, at the M540 for two minutes. In addition to pausing alarms, the setting of the quiet mode feature determines how subsequent alarm conditions are announced.

You can initiate an audio pause in several ways:

- From an M540 in standalone mode or on wireless transport
- From an ICS
- From the remote view of another Infinity monitor within the same monitoring unit
- From the Cockpit when the M540 is docked in an IACS configuration
- From a remote device when remote control and remote silence are activated at the remote device and the Cockpit (refer to the IACS Monitoring Applications IFU)
- When first turning on the device

Pausing alarms at the M540

The following happens at the M540 when you pause active alarms:

- All acoustic alarm signals are paused for a maximum of about two minutes.
- The Audio paused message appears in the alarm message header of the Cockpit along with the timer and the following symbol:
- The alarm message appears in the color corresponding to the alarm priority.
- The parameter field no longer flashes in the color corresponding to the alarm priority. It appears in solid color.
- The alarm bar no longer flashes for high-priority and medium-priority alarm conditions.

The behavior of new alarm condition while the systems is in an audio pause state is determined by the *Quiet mode* setting.

To initiate an audio pause at the M540

Press the yellow key on the M540:



Pressing the key again cancels the audio pause period and all alarm events are reported as usual.

To initiate an audio pause remotely

• Press the following key on the main menu bar of the ICS to audio pause alarms for all assigned patients:



Press the same button in the viewport area to pause alarm tones for an individual patient. For more information, refer to the instructions for use of the ICS.

 Refer to the instructions for use of any remote device within the same monitoring unit for instructions on how to initiate an audio pause.

Pressing the key again cancels the audio pause period and all alarm events are reported as usual.

Pausing alarm monitoring temporarily

If the password-protected alarm pause feature is activated, you can pause alarm monitoring temporarily. The alarm pause duration is adjustable from 1 minute to 5 minutes.

The following happens when you pause alarm monitoring:

- Acoustic and optical alarm signals for new alarm conditions are suppressed for all parameters until alarm monitoring begins again
- Alarm signals for any active alarm condition stop immediately
- The alarming parameter field and alarm bar return to the pre-alarm state
- Alarm messages are removed from the alarm message field in the header bar
- The far right field of the header bar turns yellow and displays the alarm message All alarms pause, a timer, and the following symbol:



To pause alarm monitoring temporarily

- 1 Press the Alarms function key.
- 2 Touch All alarms pause.

As soon as the alarm pause period ends, the M540 generates acoustic and optical alarm signals as needed.

To activate alarm monitoring after pausing

- 1 Press the Alarms function key.
- 2 Touch All alarms pause before the alarm pause period ends to cancel the alarm pause.

Activating or deactivating alarm monitoring

If the password-protected alarm pause feature is set to **No timeout**, the following happens when you deactivated alarm monitoring:

- All acoustic and optical alarm signals for new alarm conditions are suppressed for all parameters until alarm monitoring is manually activated again
- Acoustic alarm signals for any active alarm condition stop immediately
- The alarming parameter field and alarm bar return to the pre-alarm state
- Alarm messages are removed from the alarm message field of the header bar
- The far right field of the header bar turns yellow and displays a message that all alarms are off and the following symbol appears:



To deactivate alarm monitoring

- 1 Press the Alarms function key.
- 2 Touch All alarms off.

To activate alarm monitoring after deactivating

- 1 Press the Alarms function key.
- 2 Touch All alarms off.

The M540 provides acoustic and optical alarm signals again when it detects a new alarm condition.

Setting the upper and lower alarm limits

You can configure the upper and lower alarm limits of a parameter manually to trigger acoustic and optical alarm signals if a parameter goes above or below the set limits.

To set an individual parameter's alarm settings

- 1 Touch the parameter field (for example, HR) to access that parameter's dialog.
- 2 Touch the tab for configuring the parameter limits (for example, HR limits).
- 3 Touch the upper or lower alarm limit.
- 4 Touch the up or down arrow to change the alarm limit setting.
- 5 Touch OK.

Archive function

The archive function setting determines what happens in response to an alarm limit violation. The available settings are:

- Off no event is stored and no recording is generated.
- Store stores the event for later review.
- Record stores the event for later review when in standalone mode or on wireless transport. Once the M540
 is docked, any stored event is transferred to the alarm history of the IACS where you can request a manual
 recording of the event.
- Str/Rec generates a timed recording for an M540 docked in an IACS configuration and stores the event.

When the M540 is in standalone mode or on wireless transport, this setting stores an event for later review. Once the M540 is docked, any stored event is transferred to the alarm history of the IACS where you can request a manual recording of the event.

To configure an individual parameter's archive function

- 1 Touch the parameter field to access that parameter's dialog (for example, HR).
- 2 Touch the tab for configuring the parameter limits (for example, HR limits).
- 3 Touch Archive and toggle to one of the following settings: Off, Store, Record, Str/Rec.
- 4 Touch **X** to close the dialog.

To access stored events

Select the Review function key. The following diagram shows the Event recall dialog.



- A Event list with date, time, and cause of each event.
- B Arrow buttons for scrolling through the event list.
- C View button for viewing a single event in greater detail.
- D Delete button for deleting an event.
- E Lock button for locking an event (if the M540 is docked in an IACS configuration, pressing this button has no effect on events at the Cockpit).

Electrode placement for adult and pediatric patients

Standard configuration, three electrodes (IEC/AHA)





Standard configuration, five electrodes (IEC/AHA)





Pacer configuration, five electrodes (IEC/AHA)





Standard configuration, six electrodes (IEC/AHA)



12-lead configuration, ten electrodes for 12-lead Rest ECG monitoring (AHA)





12-lead configuration, ten electrodes for 12-lead Rest ECG monitoring (IEC)



Electrode placement for neonates





ECG parameter setup functions

All ECG parameter setup functions take place in the *ECG* dialog.

Selection	Available settings	Description
	Settings – ECG 1 page	
Tone vol- ume ¹⁾	<i>Off</i> , 5, 10 (default) to 100% in increments of 10%	Selects the volume of the pulse tone. If you dock the M540 in an IACS configura- tion, this setting is replaced by the pulse tone volume setting of the Cockpit. When you undock the M540, this setting is replaced by the <i>Transport pulse tone</i> set- ting configured under the <i>Alarm setup</i> tab.
Tone source ¹⁾	ECG (default), PI	Selects the source of the pulse tone.
ECG filter 1)	 Off – provides the greatest sensitivity to noise or artifact (the message <i>Filter off</i> appears in the waveform channel) Passband: 0.08 - 40Hz <i>Monitor</i> (default) – recommended for standard monitoring; reduces wandering isoelectric line, muscle artifact, and power line interference. No message appears in the waveform channel. Passband: 0.5 - 40Hz <i>ESU</i> – reduces signal distortion during electrosurgery (the message <i>Filter ESU</i> appears in the waveform channel). This selection is not available when the M540 is in standalone mode. Passband: 0.5 - 16Hz 12-lead monitoring is not available when the ESU filter is enabled. Likewise, the ESU filter selection is not available when you are using 12-lead monitoring. 	Controls the sensitivity to various artifact sources. When the M540 is set to OR alarms and the filter selection is set to <i>Monitoring</i> : - the hardware low pass ESU filter is activated. - <i>RRi</i> is unavailable - 12-lead ECG monitoring is unavailable None of these settings are of diagnostic quality.
HR source ¹⁾	 <i>ECG</i> (default) – derives the heart rate from the ECG signal. <i>Arterial pressure</i> – derives the heart rate from the arterial blood pressure signal. The heart rate parameter field label changes to <i>APR</i> and appears in the color of <i>ART</i>. <i>SpO2</i> – derives the heart rate from the pulse oximetry signal. The heart rate parameter field label changes to <i>PLS</i> and appears in the color of SpO2. <i>Auto</i> – derives the heart rate either from the ECG signal or other available sources. If an ECG signal is not available, the M540 switches to <i>Arterial pressure</i>, and then to SpO2. 	Selects a different source for the heart rate when the ECG channel is unavailable due to artifact resulting from surgical proce- dures.

Selection	Available settings	Description	
Show all leads	None	Shows all ECG waveforms. Press any- where in the waveform area to access addi- tional ECG waveforms. Press Menu to close all the ECG waveforms.	
Size all ECG ¹⁾	0.25, 0.5, 1 (default), 2, 4, 8 mV/cm	Sets the amplitude of ALL displayed ECG leads.	
Color ¹⁾	Red, White, Yellow, Green (default), Light blue, Blue, Purple, Orange	Determines the color of the ECG wave- forms, and the arrhythmia/ST parameter la- bels and values.	
	Settings – ECG 2 page		
Pacer de- tection (Not avail-	 On (default) Off – the message Pacer off appears in the waveform channel 	Determines whether pacer impulses are detected.	
able in neonatal mode)	 Fusion – the message Pacer fusion appears in the waveform channel 		
QRS sync marker	 On – displays QRS synchronization markers Off (default) 	Determines whether vertical white markers appear on the waveform to identify QRS complexes. The markers help determine when it is safe to perform synchronized car- dioversion.	
Cable type ¹) (TruST is only avail- able with a 6-wire lead set) ARR lead 1 ¹)	 Auto (default) 3, 5, 6, and 12 leads (if activated) When using the ECG extension cable, the system always assumes the cable is a 6-wire lead set. ECGI, ECGII (arrhythmia lead 1 default), ECGIII, ECGaVR, ECGaVL, ECGaVF, ECGV (arrhythmia lead 2 default), ECGV+, ECGV1 to ECGV6 	When set to <i>Auto</i> , it detects the number of connected lead wires automatically. If auto mode does not detect the connected lead set, it allows you to select the cable type manually. "12" denotes a combination of a 6-wire lead set and 4-wire lead set for 12- lead monitoring. Assigns the lead for QRS processing.	
2 ¹⁾ ARR pro- cessing ¹⁾	<i>ECG1</i> , <i>ECG1&2</i> (default) The <i>ECG1&2</i> selection is not available if the neonatal patient category is selected.	ECG1 setting – arrhythmia processing oc- curs only on the lead selected as arrhyth- mia lead 1. ECG1&2 setting – arrhythmia processing occurs on the leads selected as arrhythmia lead 1 and arrhythmia lead 2.	
¹⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.			
QRS thresh- old	 Normal (default) Low 	This function is only available for adult and pediatric patients. Normal – detects QRS complexes ≥0.5 mV.	

Selection	A	vailable settings	Description
	Rest ECG setup page		
Gender	-	Unknown (default)	
	-	Male	
	-	Female	
Race	-	Unknown (default)	
	-	Caucasian	
	-	Asian	
	-	African	
	-	Other	

Respiration parameter setup functions

All respiration parameter setup functions take place in the respiration dialog.

Selection	Available settings	Description
Settings 1 page		
Resp. lead 1)	I, II (default)	Selects the lead for respiration monitoring.
Relearn	None	Initiates a relearning of the respiration signal, only in Auto mode.
Marker ¹⁾	On , Off (default)	Superimposes a vertical line on the respiration waveform when a breath is detected.
Monitoring 1)	 On (default in neonatal mode) 	Turns respiration monitoring on or off.
	 Off (default in adult/pediatric mode) 	
Apnea time 1)	<i>Off</i> , 10, 15 (default), 20, 25, 30 s	Determines how long an apnea has to last before an alarm is triggered.
Apnea archive ¹⁾	 Off Str/Rec – a recording as well as an event storage is triggered automatically in response to an apnea. Store (default) – a waveform segment is stored in response to an apnea. Record – a recording is triggered automatically in response to an apnea. 	Determines what happens in response to an ap- nea. In case of false apnea alarms, it is advised to ob- serve the patient's breathing pattern (belly or chest), and reposition electrodes accordingly, or to adjust the detection threshold manually.
Color ¹⁾	Red, White, Yellow, Green, Light blue (de- fault), Blue, Purple, Orange	Determines the color of the waveforms, and the parameter labels and values.
Change pa- rameter	A list of currently available parameters.	Changes the parameter field to a different parameter.
¹⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.		

Selection	Available settings	Description
	Settings 2 pa	age
<i>Mode</i> ¹⁾	Auto (default), Manual	Determines the processing mode for the breath- related impedance change.
Coincidence ¹⁾	On, Off (default)	Determines whether you are alerted when the re- spiratory rate is within 20% of the heart rate, which is an indication that the M540 is counting heart beats as respiration.
Resp. threshold	10% to 100% (in 10% increments) – default: 50%	Adjusts the breath detection threshold.
¹⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.		









SpO2 and Pulse CO-Ox monitoring with Masimo SET MCable

All SpO2 parameter setup functions take place in the SpO2 dialog.

Selection	Available settings	Description
Tone	<i>Off</i> , 5, 10 (default), 20, 30, 40, 50, 60, 70, 80, 90,	Adjusts the volume of the pulse tone.
volume ¹⁾	100%	If you dock the M540 in an IACS configura- tion, this setting is replaced by the pulse tone volume setting of the Cockpit.
		When you undock the M540, this setting is replaced by the <i>Transport pulse tone</i> setting configured under the <i>Alarm setup</i> tab.
Tone source ¹⁾	 ECG (default) – the heart blip pulsates with each detected pulse. SpO2 	Selects the source of the pulse tone which affects the ECG and SpO2 parameter field display. For the SpO2 selection, the higher the pitch of the tone, the higher the SpO2 saturation percentage.
Bar graph 1)	On , Off (default)	Displays a bar graph that is proportional to the pulse rate and strength.
Averaging time ¹⁾	2 to 4, 4 to 6, 8 (default), 10, 12, 14, 16 s	Determines how quickly the reported SpO2 value responds to changes in the patient's oxygen saturation.
		A longer averaging time provides a more accurate result. However, in clinical situa- tions where rapid physiological changes have to be monitored, use a shorter averag- ing time
Sensitivity mode ¹⁾	 Normal (default) – standard mode APOD (adaptive probe off detection) – the least 	Determines the level of detection sensitivity.
	sensitive mode for detecting a reading on patients with low perfusion. Provides the best detection for detached sensors. This mode is useful for patients at particular risk for sensors becoming detached such as children or patients who are restless.	
	Max. – provides maximum sensitivity for poor signals (this mode is recommended for patients with low perfusion or when the low perfusion or low signal quality message is displayed in APOD or Normal sensitivity mode. Max. mode is not recommended for care areas where patients are not monitored visually, such as general wards. It is designed to interpret and display data at the measuring site when the signal may be weak due to decreased perfusion.)	
Fast SAT mode ¹⁾	 On, Off (default) When the Averaging time setting is set to 2 to 4 s or 4 to 6 s, the Fast SAT mode selection is grayed out. 	Activates rapid tracking of arterial oxygen saturation changes.

Selection	Available settings	Description
Color 1)	Red, White (default), Yellow, Green, Light blue,	Determines the color of the waveforms, and
	Blue, Purple, Orange	the parameter labels and values.
Change pa-	A list of currently available parameters.	Changes the parameter field to a different
rameter		parameter.
¹⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.		

SpO2 and pulse rate monitoring with Nellcor OxiMax MCable

All SpO2 parameter setup functions take place in the SpO2 dialog.

Selection	Available settings	Description
Tone volume 1)	Off, 5, 10 (default), 20, 30,	Sets the volume of the pulse tone.
	40, 50, 60, 70, 80, 90, 100%	 If you dock the M540 in an IACS configuration, this setting is replaced by the pulse tone volume setting of the Cockpit.
		 When you undock the M540, this setting is replaced by the Transport pulse tone setting configured under the Alarm setup tab
Tone source ¹⁾	 ECG (default) – the heart rate blip pulsates with each detected pulse. SpO2 	Selects the source of the pulse tone which affects the ECG and SpO2 parameter field display. For the SpO2 selection, the higher the pitch of the tone, the higher the SpO2 saturation percentage.
Bar graph ¹⁾	On , Off (default)	Displays a bar graph that is proportional to the pulse rate and strength.
Response mode ¹⁾	 Normal (default) – 90% change within 5 to 7 seconds 	Establishes the frequency the oximeter uses to calculate, record, and display SpO2 saturation levels.
		 Normal mode responds to changes in blood oxygen saturation in 5 to 7 seconds
	 Fast – 90% change with- in 2 to 4 s 	 Fast mode responds to changes in blood oxygen saturation levels in 2 to 4 seconds when calculating %SpO2.
SatSeconds 1)	Off (default), 10, 25, 50, 100	This selection does the following:
		 Analyzes desaturation events by multiplying their duration (seconds) by the number of percentage points the patient exceeds the alarm limit.
		 Eliminates nuisance alarms caused by brief and numerous violations of lower and upper alarm limits.
		 Overrides the alarm validation setting and the SpO2 high priority desaturation alarm for neonatal patients.
Color ¹⁾	Red, White (default), Yellow, Green, Light blue, Blue, Purple, Orange	Determines the color of the waveforms, and the parameter labels and values.
Change pa- rameter	A list of currently available parameters.	Changes the parameter field to a different parameter.
¹⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.		

Temperature parameter setup functions

All temperature parameter setup functions take place in the temperature dialog.

Selection	Available settings	Description
Ta Tb	 TOral TEso TNasal TRect TBlad Tcore TBlnkt TSkin TR TL 	<i>Ta</i> configures the first temperature value on the M540. <i>Tb</i> configures the second temperature value on the M540.
ΔΤ		Difference Ta - Tb
T1a T1b	 T1Oral T1Eso T1Nasal T1Rect T1Blad T1core T1Bld1 T1Blnkt T1Skin T1R T1L 	<i>T1a</i> configures the third temperature value. <i>T1b</i> configures the fourth temperature value.
ΔT1		Difference T1a-T1b
Color ¹⁾	Red, White (default), Yellow, Green, Light blue, Blue, Purple, Orange	Determines the color of the parameter labels and values.
Change parameter	A list of currently available parameters.	Changes the parameter field to a different parameter.
¹⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.		

Non-invasive blood pressure parameter setup functions

All non-invasive blood pressure parameter setup functions take place in the non-invasive blood pressure dialog.

Selection	Available settings	Description
	Settings	·
Interval time ¹⁾ (Cardiac bypass mode au- tomatically deactivates in- terval measurements)	Off (default), 1 min, 2 min, 2.5 min, 3 min, 5 min, 10 min, 15 min, 20 min, 25 min, 30 min, 45 min, 60 min, 120 min, 240 min	Defines intervals for the non-invasive blood pressure measurements.
Inflation mode	Adult (default), Pediatric, Neonate	Sets a threshold for maximum cuff in- flation.
Continuous mode ¹⁾	On, Off (default)	Initiates successive non-invasive blood pressure measurements for 5 min.
Chime ¹⁾	On, Off (default)	Determines if a tone sounds at the end of a completed non-invasive blood pressure measurement.
Venous stasis 1)	On, Off (default)	Stops blood flow to the lower part of the cuffed limb for a fixed time.
Color ¹⁾	Red, White (default), Yellow, Green, Light blue, Blue, Purple, Orange	Determines the color of the parameter labels and values.
Change parameter	A list of currently available parameters.	Changes the parameter field to a dif- ferent parameter.
¹⁾ This setting is a patient de	fault which may be unique for each patient c	ategory; it is part of the profile.

To assign a pressure label manually

- 1 Touch the invasive pressure parameter field.
- 2 Touch the Settings tab.
- 3 Touch Edit label.
- 4 Touch the appropriate pod label Pod 1A label, Pod 1B label, and so on.
- 5 Touch the new pressure label.
- 6 Touch **X** to close the dialog.

Or

- 1 Touch the *Menu* function key.
- 2 Touch Label IP.

Zeroing a specific transducer

To zero a specific sensor

- 1 Touch the appropriate invasive pressure parameter field.
- 2 Touch the Settings tab.
- 3 Align the transducer to the level of the heart (phlebostatic axis point, fifth intercostal space and midaxillary line).
- 4 Close the transducer stopcock to the patient and open it to air.
- 5 Touch Zero on the M540.

If the zeroing of the transducer is successful, the message **Zero accepted** appears. If zeroing fails, the message **did not zero** appears. In that case, repeat steps three to five.

6 Touch X to close the dialog.

Zeroing all pressure transducers

To zero all pressure transducers from the hemodynamic pods

- 1 Align the transducer to the level of the heart (phlebostatic axis point, fifth intercostal space and midaxillary line).
- 2 Close the stopcocks to the patient, and open them to air.
- 3 Press the >0 < key (A) on the Hemo4, Hemo2, or the MPod QuadHemo.







4 Verify that the transducers have been zeroed. If zeroing failed, repeat steps two and three.

Invasive pressure parameter setup functions

All invasive pressure setup functions take place in the invasive pressure dialog.

The limits dialog contains the Auto set and Alarm buttons for configuring the alarm functions.

Selection	Available settings	Description	
	Settings		
Zero	None	Zeroes only the pressure indicated on the invasive pressure page and displays the time and date of the last zeroing (see page 20).	
Edit label 1)	ART, AOR, FEM, AXL, RAD, UAP, BRA, LA, LV, PA, RV, RA, ABD, BDP, CVP, ESO, FEMV, ICP, ICP2, ICP3, ICP4, LA, GPM, RAD, UVP, GP1 to GP8 The defaults are as follows:	Allows the user to assign a label to each pressure channel 1 through 8.	
	 Channel 1: GP1 		
	– Channel 2: GP2		
	 Channel 3: GP3 		
	 Channel 4: GP4 		
	– Channel 5: GP5		
	 Channel 6: GP6 		
	– Channel 7: GP7		
	– Channel 8: GP8		
Filter 1)	8 and 16 Hz (default)	Selects the filter setting applied to the invasive pressure signal.	
Color ¹⁾	Red, White, Yellow, Green, Light blue, Blue, Purple, Orange	Determines the color of the waveforms, and the parameter labels and values.	
	The various invasive pressure parameters have the following defaults:		
	 ART, AOR, FEM, AXL, RAD, UAP, BRA, GP1 to GP4 = Red 		
	- PA, LV, BDP = Yellow		
	 CVP, ABD, ESO, FEMV, GPM, UVP = Blue 		
	 ICP, ICP2, ICP3, ICP4, LA = Purple 		
	 RA, RV, GP5 to GP8 = Orange 		
Change pa- rameter	A list of currently available parameters.	Changes the parameter field to a differ- ent parameter.	
¹⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.			

Mainstream CO2 monitoring

CO₂ parameter setup

All setup functions for CO2 parameters take place in the CO2 dialog.

Selection	Available settings	Description	
Zero (only available if a CO2 device is connected)	None	Zeroes the CO2 sensor if necessary. The CO2 sensor stores a new zero point for CO2 measurements.	
Atm. pressure 1)	570 to 800 mmHg	Determines the ambient pressure setting of the sensor and compensates for pressure effects. Failure to compensate for pressure can cause inaccurate measurements.	
	760 mmHg (default)		
Gas compens. ¹⁾	Air (default), N2O/O2 , O2 > 50%, HeliOx	Compensates for supplemental oxygen or N2O or <i>HeliOx</i> . Failure to compensate for supplemental oxygen can cause inaccurate measurements.	
RRc apnea time ²⁾	<i>Off</i> (default), 10, 15, 20, 25, 30 s	Specifies the time the M540 waits before reporting a cessation of breathing as an apnea event.	
Apnea archive ²⁾	Off, Store (default), Str/Rec, Record	Determines what happens in response to an apnea.	
Airway adapter	Reusable (default), Disposable	Determines the type of airway adapter used for CO2 monitoring.	
		Compensates for the type of airway adapter that is being used.	
		Requires the user to match the adapter with the configuration setting at the M540; if the adapters do not match, the CO2 value displayed is compromised.	
Color ²⁾	Red, White, Yellow (default), Green, Light blue, Blue, Purple, Orange	Determines the color of the waveforms, and the parameter labels and values.	
Change parameter	CO ₂ (default)	Changes the parameter field to a different parameter.	
	Examples: HR, SpO2, PLS CO- Ox, CO2, NIBP, RRi, T, T1, GP1, GP2, GP3, GP4, ST		
¹⁾ This setting is a user default that is identical for all patient categories and is also part of the profile.			

²⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.

Microstream CO2 monitoring

CO₂ parameter setup

Setup functions for CO2 parameters take place in the CO2 dialog within the *Microstream* tab.

Selection	Available settings	Description	
RRc apnea time ¹⁾	Off (default)	Specifies how long the M540 waits before report-	
	10 s, 15 s, 20 s, 25 s, 30 s	ing a cessation in breathing as an apnea event.	
Apnea archive ¹⁾	Off, Store (default), STr/Rec	Determines what happens in response to an ap- nea event.	
Next service in:	Informational only (settings are not applicable)	The remaining number of hours until mainte- nance is required.	
Averaging	Instantaneous Last valid breath 10 s, 20 s (default), 30 s	Controls the specific time or the interval used to select the maximum measured etCO2 and the minimum measured inCO2 .	
Change param- eter	CO2 (default)	Changes the current parameter to another pa-	
	ECG, ST, NIBP, etc.	rameter.	
Color ¹⁾	Red, White, Yellow (default), Green, Light blue, Blue, Purple, Orange	Determines the color of the CO2 waveform, and the parameter labels and values.	
Last calibra- tion:	Informational only	Displays the date of the last calibration.	
¹⁾ This setting is a patient default which may be unique for each patient category; it is part of the profile.			

This quick reference guide only applies to Infinity® M540 VG7.n

with the Serial No .:

If no Serial No. has been filled in by Dräger, this quick reference guide is provided for general information only and is not intended for use with any specific machine or unit.

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Directive 93/42/EEC concerning Medical Devices

CE

The radio equipment in the Infinity M540 patient monitor complies with the Radio Equipment Directive (2014/53/EU). A copy of the Declaration of Conformity is available at the following Internet address: <u>www.draeger.com/doc-radio</u>

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