

DPM™|6|7

Intelligence. Grace. Precision.



mindray™
NORTH AMERICA

Note: The DPM 6 and DPM 7 Quick Reference Guide is not intended as a replacement to the Operating Instructions. Prior to operating equipment, the user must be familiar with the Operating Instructions Manual contents. This document is a guideline only to be used as an aid to comprehensive Inservice Training.

Table of Contents

Patient Setup	1
E e/ De o /ap c	1
A j a e S e	1
D c a/ ea a e	2
Standby	2
E e/ S a ,	2
e r e Mo o/	2
Record	3
eal-T e Wa efo/	3
A j eco/ e/ Wa efo/	3
Print	3
eal-T e Wa efo/	3
ECG	4
A j ECG Lea	4
E a le ace a e/ De ec o A Se ace a e/ a e	4
a e elea/	5
a e ST A al	5
NIBP	5
a ea No - a e Bloo /e r /e Mea r /e e (NB)	5
Se a No - a e Bloo /e r /e Mea r /e e e/ al	5
Invasive Blood Pressures	6
A j a e Bloo /e r /e La el	6
Ze/o a e Bloo /e r /e	7
Alarms	7
A j Ala/ L	7
A j Ala/ e po e	8
A j A/ , a Ala/	9
D a le No -Le al A/ , a	9

Table of Contents (continued)



Silence Alarms	10
Silence All Alarms	10
Transfer	10
Hemodynamic Monitoring	11
a e a Ca ²⁺ ac r p ^r Mean ^r e e	11
a e r l o a ^r A ^r e ^r We e e e r e r e (AW)	12
a e e o ^r a c Calc l a o	13
Screen Display	14
History	15
Ta r l a ^r T ^r e	15
A ^r e ^r a A ^r Ala ^r E e	16
F l l D c l o r e	16
Volumes	17
e Vol ^r e	17
Bea To e	18
Date And Time	18
Parameter Colors	19
Default (Preset) Settings	19

PATIENT SETUP

Enter Demographics

The **Age Setup** error also indicates the error of patient demographic.



To enter demographic on D M6 or D M7, see the following:

- Access the **Setup** error **Patient Setup**  (r c e) or **Main Menu**  (r c e)
 - Select **Patient Demographics**
 - Select the **Q** option for the error page for a patient. Enter patient information to create the patient.
 - Select **ENTER** to accept the information.
 - Select **OK** or **EXIT** to complete.

Panorama® Central Station Interface: Enter the demographic information on the **Central Station Work Station** or call the error message on the **Central Station Work Station**. **Admit** is not required for patient information to be displayed or stored.

Adjust Patient Size

The **Age Setup** error also indicates the error of patient size. To adjust patient size on D M6 or D M7, see the following:

- Access the **Setup** error **Patient Setup**  (r c e) or **Main Menu**  (r c e)
 - Select **Patient Demographics**
 - Select **Patient Cat.**
 - Select the **size** adjustment **Art (Art)**, **Imp (Imp)**, or **Neo (Neo)**
 - Select **OK** or **EXIT** to complete.

Note: Adjust patient size error message may be displayed (preconfigured) error message to clear patient information.

Panorama® Central Station: Adjust the error message for the **Central Station**

Discharge A Patient

To discharge a patient from all patient folders, a discharge order must be entered (preconfigured).

To discharge a patient from EDM6 or EDM7, see the following:


- a. Access the Setup screen: **Patient Setup**  (reference) or **Main Menu**

ECG

Adjust ECG Lead


To edit M6 or M7 all other channels, select the lead you want to edit on the ECG lead display. To adjust the ECG lead:

a. Select ECG on the ECG screen or ECG on the ECG Setup screen.

a. Select ECG setup >> from the area on the Main Menu  (screen) on the ECG Setup screen.

b. Select ECG1 or the lead you want to edit or ECG2 or the lead you want to edit on the screen.

c. Scroll across the lead.

d. Select Main Menu  (screen) or ~~X~~ on the area on the


Panorama® Central Station Interface: Adjust ECG lead on the D M6 or D M7 screen or, alternatively, Central Station, Work Station, or View Station application.

Enable Pacemaker Detection And Set Pacemaker Rate

To edit M6 or M7 all other channels, select the pacemaker on the screen. To edit the pacemaker on the screen:

To edit the pacemaker on the D M6 or D M7 screen or:


a. Select ECG on the ECG screen or ECG on the ECG Setup screen.

a. Select ECG setup >> from the area on the Main Menu  (screen) on the ECG Setup screen.

b. Select Others >>

c. Select Paced on




d. Select Pacemaker Rate at the adjustment rate on the

e. Select Main Menu  (screen) or ~~X~~ on the area on the

Panorama® Central Station Interface: select the pacemaker on the D M6 or D M7 screen or, alternatively, Central Station, Work Station, or View Station application.




Initiate Relearn

To a e r e l e a r n a t a l l o e D M 6 o r D M 7 e e o o r :

- a. Selec ECG Setup e r , e l e c ECG a e f o r / r e r c l e o r f r o m Parameters e r ( o r Main Menu  r c e)
- . Selec Relearn
- c. Selec Main Menu  (r c e) o r ~~X~~ o e r r o e a p l a

Initiate ST Analysis


To a e S T a l o e D M 6 o r D M 7 e e o o r :

- a. Selec ECG Setup e r , e l e c ECG a e f o r / r e r c l e o r f r o m Parameters e r ( o r Main Menu  r c e)
- . Selec ST Analysis >>
- c. Selec N f o r S T a n a l y s i s a t e
- . Selec Main Menu  (r c e) o r ~~X~~ o e r r o e a p l a


NIBP


Initiate a Non-Invasive Blood Pressure Measurement (NIBP)

To a e a N B e a r r e e o a p a e o e D M 6 o r D M 7 e e o o r :


- a. Selec  o e f r o p a e l o f e o o r o r e M t l - a r a e e r M o r t l e (M M)
- .
- a. Selec N B r e r c l e o r e e r e NIBP Setup >> f r o e a r a e e r e r Main Menu

;

- a. Selec NB r e c le, o: e e e NIBP Setup >> f r o e a a e e e r Main Menu  (r c e) o e e e e NB Ser p e r .
- . Selec Interval a a j a l e r r p a o a z o

- c. Selec Main Menu  (r c e) o: ~~X~~ o e r r o e a p l a


To op *the* o r e NB e a r z e e o a p a e o e D M 6 o: D M 7 e e e o o:


- a. Selec  o e f r o p a e l o f e o o o: e M I - a a e e: M o r t e (M M) r z e e NB e a r z e e

To op *all* NB e a r z e e o a p a e o e D M 6 o: D M 7 e e e o o:

- a. Selec S o p a l l e a r z e e  (r c e)

;

- a. Selec NB r e c le, o: e l e c NIBP Setup >> f r o e a a e e e r Main Menu  (r c e) o e e e e NB Ser p e r .
- . Selec Stop All

- c. Selec Main Menu  (r c e) o: ~~X~~ o e r r o e a p l a

INVASIVE BLOOD PRESSURES


T e D M 6 a D M 7 o o: a l l o a d c a o o o r p o 8 a e l o o p r e z e (B) r l a e x l .

Adjust Invasive Blood Pressure Label



To a j e l a e l o a a e l o o p r e z e o e D M 6 o: D M 7 e e e o o:

- a. Selec p l a e a e l o o p r e z e a e f o: o: B r e c l e o e e e a e l o o p r e z e' Ser p e r

;

- a. Selec e a e l o o p r e z e (ART, CVP, etc.) f r o e a a e e e r Ma Me r  (r c e) o e e e e a e l o o p r e z e' Ser p e r

. Selec l a e l a a j e l a e l r e e e r p a o a z o e



c. Selec Main Menu  (r c e) o r  o r e r r o e a p l a

Zero Invasive Blood Pressure

To e r o a a e l o o p r e r i z e s a r i c e r o e D M 6 a D M 7 o o r

a. Co e c e a e l o o p r e r i z e c a l e o e a e l o o p r e r i z e s a r i c e e

. o o s a r i c e a o p e e a e l e a c c o r a c e o p a l p o c

c. Selec  e o e a e l o o p r e r i z e o r l e , e e r o B  (r c e) , o r Zero e p e c f c a e l o o p r e r i z e e r p e r

ALARMS





Adjust Alarm Limits

T e A l a r S e r p a a l l o e d c a o c o f r i z e a l a r l a a l a r s e p o e o e D M 6 o r D M 7 e e o o r .

To a j a p a e ' a l a r l o e D M 6 o r D M 7 e e o o r a .

Adjust Arrhythmia Alarms





To adjust a patient's arrhythmia alarms on the D M6 or D M7 device:

- a. Select **Alarm Setup** from the  (reference) or **Main Menu**  (reference)
- b. Select **Arrh. Analysis**
- c. Scroll and select the arrhythmia alarm to adjust.
 - **Alarm** to enable or disable the arrhythmia alarm function
 - **Level** to adjust the alarm's sensitivity. Level options include (off), Medium (off), and Low (off)
 - **Record** to activate or deactivate recording of the arrhythmia
- e. Select **Main Menu**  (reference) or  over the alarm's **pl**

Panorama® Central Station interface: Adjust a patient's arrhythmia alarms on the Central Station or Work Station. The alarm settings on the D M6 or D M7 device are also adjusted. Adjust arrhythmia alarms on the D M6 or D M7 device only. The affected arrhythmia alarm on the Central Station or Work Station.

Disable Non-Lethal Arrhythmias

To disable all arrhythmia alarms *except lethal* arrhythmia alarms on the D M6 or D M7 device:

- a. Select **Alarm Setup** from the  (reference) or **Main Menu**  (reference)
- b. Select **Arrh. Analysis**
- c. Select **Lethals Only**
- d. Select **Main Menu**  (reference) or  over the alarm's **pl**

To adjust a patient's arrhythmia threshold on the D M6 or D M7 device:

- a. Select **Alarm Setup** from the  (reference) or **Main Menu**  (reference)
- b. Select **Arrh. Threshold**

2. Continue MPM o c c u r r e n c e p a e a a e e o o . A l l p a e a a e e o o . A l l p a t i e n t d a t a i n t h e o r i g i n a l M P M w i l l c o p y t o t h e n e w m o n i t o r .
3. New Patient o e l e e a l l p a e a a e e o o . D e f a l t e f o r e p a e c a e o . a r e a p p l e o e e p a e . A l l p a t i e n t d a t a i n t h e o r i g i n a l M P M a n d i n t h e n e w m o n i t o r w i l l b e d e l e t e d .
4. Same Patient o e e e p a e a a f r o e o o . A l l M M e p a e a a e e o o .

Panorama® Central Station Interface: T r a f e s s p a e a a f r o o e D M 6 o : D M 7 e e o o o a o e : D M 6 o : D M 7 e e o o o . I l l o r a f e s a a e a o a a C e s a l S a o . T r a f e s s a a a a o a a C e s a l S a o o o a f f e r e a o a a C e s a l S a o a a f f e r e D M 6 o : D M 7 e e o o o .

HEMODYNAMIC MONITORING

Initiate A Cardiac Output Measurement

C a r d i a c o u t p u t (C O) i s a m e a s u r e m e n t o f t h e v o l u m e o f b l o o d e j e c t e d f r o m t h e l e f t v e n t r i c l e e a c h m i n u t e , e x p r e s s e d i n l i t e r s p e r m i n u t e (l / m i n) . C a r d i a c o u t p u t (C O) i s m e a s u r e d u s i n g t h e t r a n s t h o m o g r a p h y m e t h o d .

T o a c c e s s C a r d i a c O u t p u t m e a s u r e m e n t o n D M 6 o : D M 7 e e o o :

- a. C o n t a c t t h e C . S . c a l e o n t h e C . S . c o n t a c t o o e o o e o o e c o n t a c t t h e C . S . M o n i t o r , A C a r d i a c O u t p u t m e a s u r e m e n t .
- b. S e l e c t C . O . S e t u p e n t e r t h e e l e c t r o n i c C . S . l e n t r y (t r a c k e d) , o r f r o m P a r a m e t e r s e n t e r (


e. Selec **Adjust** o a j e AW r e f e r e c e l e o e e r e p o o

f. Selec **Confirm** o e e r e AW e a r e e

. Selec

1. **Next Measurement** o a r a e e a r e e a e e e

2. **Exit** o e r e o o r a l c r e e

. Selec **Main Menu**  (r c e) o r ~~X~~ o e r e o e a p l a o r e l e c **Calc>>** o a c c e e e o , a c C a l c l a o e r

Note: A a l a r a e a c e e e a AW e a r e e e a e .

Note: F o l l o a r f a c t o r e r t e e p r o c e r e a o p a l p o l c f o r AW a l l o o f l a o .

Initiate Hemodynamic Calculations

e o , a c c a l c l a o a r e a e o f a t e a a r e e o e e r e e e e o , a c a r o f e p a e .

T o a e e o , a c c a l c l a o o e D M 6 o r D M 7 e e o o r


a. Selec **CALC>>** f r o e C . . e r o r AW e r o r **HEMODYNAMIC** f r o **CALCULATIONS** e r ( o r  **Main Menu** r c e)

. , A r (M e a) , A (M e a) , C V , a a e r a e C e a r e e a e a o a c a l l e e e f r o e e e a t e

c. Selec r e a p a r a e e a a r a l l e e r

. Selec **Calculate** o c o p l e e a l c l a o

e. Selec **Record** o p r e e r e l p l a e e o , a c C a l c l a o

f. Selec **Main Menu**  (r c e) o r ~~X~~ o e r e o e a p l a

Note: e o , a c C a l c l a o a r e p r e a e D M 6 a D M 7 e e o o r o l .

SCREEN DISPLAY

T e D M 6 a D M 7 allo e d c a o a j e a p l a a e o p a e a g .

To e e e c r e e e l e c o e r a a j e a c r e e ' l a o o e D M 6 o D M 7 e e o o s

a. Selec Screens  (r c e) o a p l a

/

a. Selec  o a p l a a S c r e e S e t u p e r

. Selec

- Normal Screen: eal e a e f o s a r e c p a r a e e o e a p l a (C o f r i a l e)
- Big Numerics: U p o 4 a e f o s a r e c p a r a e e a e p a a l e e o e a p l a
- Minitrends Screen: S p l c r e e c o r o l p l a e s a p c s e o l e f e e e e a l e a e f o s a r e c p a r a e e (C o f r i a l e) o e a p l a
- OxyCRG Screen: S p l c r e e C G (e , S p 2 e , a e / a e f o s) o e l o e s p o o f e p l a e a l e a e f o s a r e c p a r a e e o e a p l a
- View Others Screen (optional): S p l c r e e e f o s a o f r o a o e e () o e l o e s p o o f e p l a e a l e a e f o s a r e c p a r a e e o e o o o s e c e
- ECG 7-Lead Half-Screen (5 lea e e) 7 Lea of ECG o e r p p e s p o o e a l e a e f o s a r e c p a r a e e o e a p l a
- ECG 7-Lead Full Screen (5 lea e e) 7 lea of ECG r e c p a r a e e o e a p l a
- PAWP Screen (Optional): S p l c r e e A W e a r e e o o e l o e s p o o f e a p l a e a l e a e f o s a r e c p a r a e e o e a p l a

- C.O. Screen (Optional): Spl c r e e C . . e a r t h e e o o e r p p e r p o r o o f e a p l a r e a l e a e f o r a r e c p a r a e e r o e a p l a
- Respiratory Loops Screen (Optional): Spl c r e e e p r a o s l o o p e r o e l e f e e e r e a l e a e f o r a r e c p a r a e e r o e a p l a




Note: T e f r a e f o r a l a a E C G l e a a a l a l o c a e e f r a l l e e N o r a l S c r e e e l e c o .

Panorama® Central Station Interface: D a l a a e f o r p l a e l e c o o e a o r a a C e n t r a l S a o , W o r S a o , a V e S a o a e e p e e o f e D M 6 o r D M 7 e e o o s .

HISTORY

Tabular Trends


To p l a T a r l a r e o a p a e o e D M 6 o r D M 7 e e o o s

- a. Selec Review e r  (r c e) o r f r o Main Menu  (r c e)
 - . Selec Tabular Trends a
 - c. Selec Trend Group a p e c f r e c a e o s e l e c C u s t o m f o r e e f e p a r a e e r o e p l a e
 - . Selec Interval o p e c f e e e e r a l a r l a r e a e o e p l a e
 - e. Selec Main Menu  (r c e) o r ~~X~~ o e r r o e a p l a

Panorama® Central Station interface: T e r e p l a e r a l o e D M 6 o r D M 7 e e o o s a e a o r a a C e n t r a l S a o a e e p e e . T o r e c o r T a r l a r (L) e o a p a e o e D M 6 o r D M 7 o o r o e e r a l e c o r e s

- a. Selec Review e r  (r c e) o r f r o Main Menu  (r c e)
 - . Selec Tabular Trends a
 - c. Selec Record a c o f r p e c f e e p e o

. Selec Record



e. Selec Main Menu  (r c e) o r ~~X~~ o r e r / o e a p l a

Panorama® Central Station interface: The ora e, p l a e r a l a p r o D M 6 o r D M 7 e e o o r a a o r a a C e n t r a l S t a o a r e e p e e .

Arrhythmia and Alarm Events

T e e a o r e 100 p , o l o c a l a a s , a e e o a p a e a e o e A l a r S e r p e r .

To e a p r a a l a e e o a p a e a e D M 6 o r D M 7 o o r

a. Selec Review e r  (r c e) o r f r o M a i n M e n u  (r c e)


. Selec Events a

c. Scoll a e l e c e e

. Selec Details o e e 8- e c o e e

e. Selec

- Record o p r o e e a e r e c o r e r
- Print o p r o e e p e e p r e r

f. Selec Main Menu  (r c e) o r ~~X~~ o r e r / o e a p l a

Note: T e a e f o r p r e a e e e e e e e e c o r e r a S e r p e r o e D M 6 a D M 7 e e o o r .




Panorama® Central Station Interface: E e o r a e a p r o e D M 6 o r D M 7 e e o o r a a o r a a C e n t r a l S t a o a r e e p e e .

Full Disclosure

T e D M 6 a D M 7 o o r a e e a l , o o r e c o f f i t e a e f o r a a o c a e r e r c f o r a o c o l l e c e f o r a c o f f i t e p e r o .

To a j a e f o r o e o e o a p a e

a. Selec Review e r



- . A ✓ e a e f o r q u a n t i t y a e a e f o r e l e c t r o n i c s
- e. Selec **Confirm** o r e n t e r t o **Full Disclosure** a
- f. Selec **Main Menu**  (r c e) o r ~~X~~ o r e n t e r t o e a p l a T o r e c o r d a e f o r o r e o a p a e
- a. Selec **Review** e r  (r c e) o r f r o m **Main Menu**  (r c e)
- . Selec **Full Disclosure** a
- c. Selec **Record** o r e c o r d e f f e c t i v e a e a e f o r

Panorama® Central Station Interface: Fill clo r e o r a e a p r o e d M 6 o r D M 7 e e e o o r a a o r a a C e n t r a l S t a t i o n a r e e p e e .

VOLUMES

T e a l a r o t e e o t e a S o t e c a e a j e o e d M 6 o r D M 7 e e e o o r .

T o a j e a l a r o t e o e d M 6 o r D M 7 e e e o o r :


- a. Selec **Volume**  (r c e) o r e l e c **Others** e **Alarm Setup**  (r c e)
- . Selec **Alm Vol**
- c. Selec o t e r a f r o m * - 1 0 (0 = f f 1 0 = M a)

. Selec **Main Menu**  (r c e) o r ~~X~~ o r e n t e r t o e a p l a

*Note: T e r o t e r a e p r e e e e r r a l l a o .

Key Volume

T o a j e e o t e o e d M 6 o r D M 7 e e e o o r :

- a. Selec **Volume**  (r c e)
- . Selec **Key Vol**
- c. Selec o t e r a f r o m 0 - 1 0 (0 = f f 1 0 = M a)

. Selec **Main Menu**  (r c e) o r ~~X~~ o r e n t e r t o e a p l a

PARAMETER COLORS

The D M6 or D M7 e e o o p o e e a l , o a j e p a r a e e ' r e r c a a e f o r (f a p p l c a l e) c o l o r .

To a j e p a r a e e ' c o l o r o e D M6 o r D M7 e e o o :


a. Selec Ma Me r  (r c e)

. Selec Screen Setup>>

c. Selec Measurement Color Setup

. Selec p a r a e e :

e. Selec c o l o r :

f. Selec Main Menu  (r c e) o r ~~X~~ o e r s o e a p l a

Panorama® Central Station Interface: a r a e e ' c o l o r o e D M6 o r

D M7 o o r , a o r a a ° C e j a l S a o , V e S a o , a W o r S a o a e e p e e .

DEFAULT (PRESET) SETTINGS

The D M6 a D M7 e a e a o a c a l l i e o e e e e e e p a e v e a j e o r e D c a e p e r f 2 7 .

Mindray DS USA, Inc.
800 MacArthur Blvd., Mahwah, NJ 07430
Tel: 1.800.288.2121 or 201.995.8000
www.na.mindray.com

P/N: 046-003757-00 Rev A

