Instructions for Use Addendum
IntelliVue Active Display AD75/AD85

Addendum to the Instructions for Use

This addendum provides additional information for the IntelliVue MX750/MX850 Patient Monitor Instructions for Use. Please store it with your monitor documentation.

Additional Information - Introduction Chapter

Introducing the Active Display

The AD75/AD85 Active Display is an additional independent display for the IntelliVue MX750/MX850 patient monitor. With the AD75/85 Active Display you can:

- view screens generated by the connected patient monitor,
- operate the connected patient monitor, including
  - starting and stopping of physiological measurements
  - change of measurement modes
  - change of alarm limits
  - acknowledgment of alarms.
- receive audible and visual alarm signals for alarms generated by the connected patient monitor.

For information on installing and configuring the Active Display see the Service Guide and Configuration Guide.

CAUTION

- The Active Display uses the same settings as the connected patient monitor. Please be aware that changing settings on the Active Display will also change the settings on the connected monitor.
- The Active Display provides only alarm tones and touch tones. It does not provide prompt tones or QRS tones from the MX750/MX850 monitor.

Major Parts and Keys - AD75/AD85

The AD75/AD85 is based on the MX750/MX850 hardware and contains the same lamps and keys. See Major Parts and Keys - MX750/MX850 in the MX750/MX850 Instructions for Use for details.

Connecting Additional Displays to the Monitor - Independent Displays

You can connect an AD75/AD85 Active Display to an MX750/MX850 monitor via the wired network and use it as a second or third display which can be configured individually and operated independently using standard input devices.

The MX750 supports one Active Display and the MX850 supports up to two Active Displays.

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PHILIPS

Additional Information - Alarms Chapter

Muting Alarms

To mute the alarms at the MX750/MX850:

1 Select the speaker icon on the display.

2 The icon on the display will change to "muted".

3 To turn the alarm sounds back on, select the icon again.

or

1 Select **Main Setup**.

2 Select **User Interface**.

3 Select **Mute Audio 1**.

4 To turn the alarm sounds back on, select **Unmute Audio 1**.

To mute the alarms at the AD75/AD85:

1 Select the speaker icon on the display.

2 The icon on the display will change to "muted".

3 To turn the alarm sounds back on, select the icon again.

or

1 Select **Main Setup**.

2 Select **User Interface**.

3 Select **Mute Audio 2**.

4 To turn the alarm sounds back on, select **Unmute Audio 2**.

Additional Information - Using Timers Chapter

Additional Information - Notification Section

NOTE

The Active Display only provides alarm tones and touch tones. If you would like additional notification for an expired timer, please set the notification to **Alarm**.

Additional Information - Specifications Chapter

Indications for Use

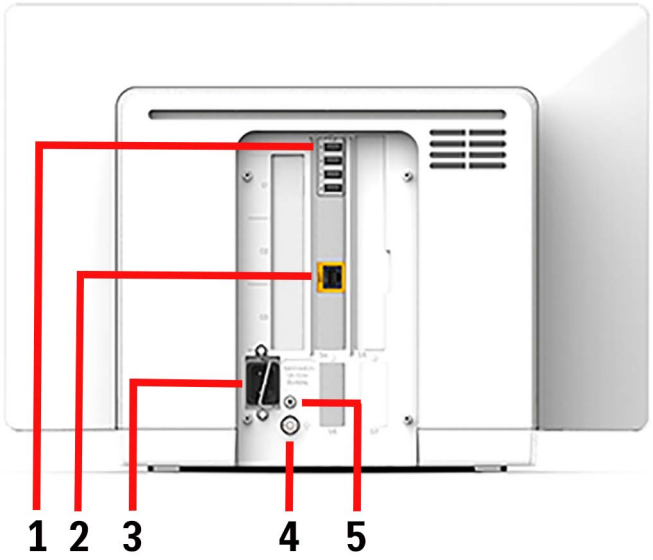
The AD75/AD85 is intended for use as an additional independent display for the connected Philips patient monitor. It is intended for viewing screens from the patient monitor, operating the patient monitor, and providing visual and audible alarms generated by the patient monitor.

The AD75/AD85 provides all screen-operable functions of the connected patient monitor, including starting and stopping physiological measurements, changing measurement modes, changing alarm limits and acknowledging alarms.

The AD75/AD85 is intended for use by trained healthcare professionals in a hospital environment. It is not intended for home use.

The AD75/AD85 is for prescription use only.

Rear of the Active Display



Number	Description
1	USB rear connectors
2	Wired network connector
3	AC power input
4	Equipotential ground connector
5	Protective earth screw hole

Physical Specifications

Product	Maximum Weight	W x H x D	Comments
AD85 Active Display	10 kg (22.1 lb)	544 x 388 x 217 mm (21.4 x 15.3 x 8.5 in)	with cable management
AD75 Active Display	9 kg (19.8 lb)	477 x 350 x 217 mm (18.8 x 13.8 x 8.5 in)	with cable management

Environmental Specifications

Item	Condition	Range
Temperature Range	Operating	0 to 40°C (32 to 100°F)
	Storage	-20 to 60°C (-4 to 140°F)
Humidity Range	Operating	15% to 95% Relative Humidity (RH) (non condensing)
	Storage	5% to 95% Relative Humidity (RH)
Altitude Range	Operating	-500 m to 3000 m (-1600 to 10000 ft)
	Storage	-500 m to 4600 m (-1600 to 15000 ft)[1]
Ingress Protection		IP21
Definition of IP codes used:		
IP21	Protected against harmful effects of vertically dripping water and ingress of foreign objects larger than 12.5 mm	

[1] Sufficient for flight altitudes up to 12000 m with pressurized cabins

Performance Specifications

AD75/AD85 Performance Specifications		
Power Specifications	Power Consumption	<200 W average
	Line Voltage	100 to 240 V
	Current	1.9 to 0.9 A
	Frequency	50/60 Hz
Indicators	Alarms Off	red or yellow LED with crossed out alarms symbol
	Alarms	red/yellow/light blue (cyan) LED
	On/Error	green/red LED integrated in power switch
	External Power	green LED
Sounds	Audible feedback for user input Prompt tone 3 different alarm priority sounds (low, medium, high)	

AD75/AD85 Performance Specifications		
Alarm Signal	System alarm delay The system alarm delay is the processing time the system needs for any alarm to be indicated on the Active Display, after the measurement has triggered the alarm. The alarm standard 60601-1-8 describes this delay as "Alarm Signal Generation Delay".	less than 5 seconds
	Delay for alarm availability on the network This is the time needed after alarm indication on the monitor until the alarm signal is available on the network, to the Information Center or for transmission to other systems.	less than 5 seconds
	Pause duration	1,2,3 minutes or infinite, depending on configuration
	Extended alarm pause	5 or 10 minutes
	Sound pressure range	min. 0 dB(A) max. 45-85 dB(A)
Review Alarms	Information	all alarms / inops, main alarms on/off, alarm acknowledgment and time of occurrence
	Capacity	300 items
Real Time Clock	Range	from: January 1, 1997, 00:00 to: December 31, 2080, 23:59
	Accuracy	better than 4 seconds per day
	Hold Time	infinite if powered by AC; otherwise at least 48 hours

AD75/AD85 Interface Specifications

AD75/AD85		
Network	Standard	IEEE802.3 10BASE-T and 100BASE-TX, auto negotiation, full and half-duplex, IEE802.3af (neither draws nor requests power)
	Connector	RJ45 (8 pin)
	Isolation	basic insulation (reference voltage: 250 V; test voltage: 1500 V)
USB Interface	Standard	USB 2.0 full-speed (embedded host)
	Connector	USB series "Standard A" receptacle
	Power	Low power port 4.4V min; max. load for all ports together 500 mA
	Isolation	none

Display Specifications

Display Specifications		
22" Full HD **AD85**	Type	547 mm active matrix color LCD (TFT)
	Resolution	1920 x 1080 (Full HD)
	Useful Screen	476.6 mm x 268.1 mm
	Pixel Size	0.248 mm x 0.248 mm
19" Full HD **AD75**	Type	469 mm active matrix color LCD (TFT)
	Resolution	1920 x 1080 (Full HD)
	Useful Screen	409 mm x 230 mm
	Pixel size	0.213 mm x 0.213 mm