

A&D Ambulatory Monitoring System

Quick Start Guide

TM-2440 and TM-2441



Español



Français



A&D

A&D Medical

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Step 1: Software installation

1. Scan the QR code below or go to <https://www.aandd.jp/products/medical/professional/abpm.html> to fill out the registration and download the software.



2. When the .zip file is done downloading (this may take a few minutes):

- 2a. Double click on the file



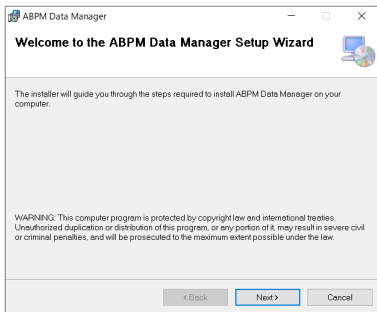
- 2b. Next, double click on the folder inside.



- 2c. Double click on Setup.exe file




3. Follow the guided instructions. This may take a few minutes.

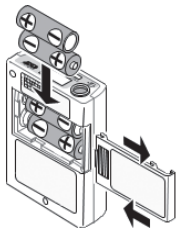


4. To open the application, navigate to your desktop and double click the A&D Medical **ABPM Data Manager** icon. If it is not on your desktop, search for **ABPM Data Manager** in recently installed programs.



Step 2: Inserting the batteries

1. Open the battery cover.
2. Refer to the  symbol inside the battery compartment. Insert two new AA batteries into the proper “+” and “-” direction.
3. Close the battery cover.

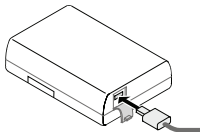


Battery Tips

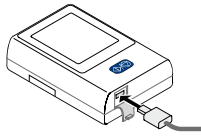
1. New AA batteries will last approximately 200 measurements. This varies depending on the quality of batteries used and operating temperatures.
2. There is an internal coin cell battery that will retain measurement results and clock settings if the AA batteries die. This is charged by new AA batteries.
3. During first use or if monitor is stored for a month or longer, replace AA batteries and leave in for at least 48 hours. This will recharge the internal coin cell battery. The monitor CAN be used during this time.

Step 3: Connecting the monitor

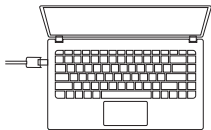
1. Connect the micro USB cable between the monitor and computer.



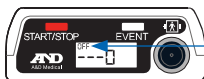
TM-2440



TM-2441



2. The buzzer will sound and **OFF** appears on the OLED display. The monitor enters its standby mode.



Standby Mode

Step 4: Programming the monitor

1. The first time the software launches, you will be prompted to enter your license code that you received by email when you registered. Then press the Register button.

2. Click on **Recorder** icon.




3. Select settings for a new ABPM study. Once complete, select **Save**. The device is now programmed.

Toggle ABPM Display
Select OFF to hide the display during the study or ON to allow it to be visible.

Schedule Start Time
Check the Auto Start and Auto Stop checkboxes, then select the date and time for each.

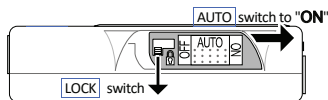
Interval Settings
From 13:00 to 19:00 --> 30 minute intervals
From 19:00 to 13:00 --> 60 minute intervals

4. Disconnect the micro USB cable from the device.

5. Turn the ABPM function ON. For the TM-2440 only, press and hold **Event** for at least three seconds. The  icon should appear on the display. For the TM-2441 only, slide the **Auto Switch** to ON, then lock it.



TM-2440



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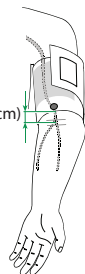
Step 5: Prepare the patient

1. Wrap the cuff around the patient's upper arm (refer to below cuff guide).

Have room to
insert two fingers

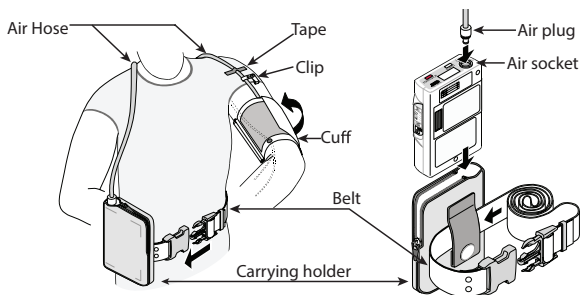


0.5" (1-2 cm)



Part Number	Cuff	Size
TM-CF202D	Small Cuff	5.9-8.7" (15-22 cm)
TM-CF302D	Medium Cuff	7.8-12.2" (20-31 cm)
TM-CF402D	Large Cuff	11.0-15.0" (28-38 cm)
TM-CF502D	Extra Large Cuff	14.2-19.7" (36-50 cm)

2. Position tube around the back of the neck and attach monitor to the belt loop. Clip the tube to the undershirt. If user does not have undershirt, tape to skin. Wrap the belt loop around waist. Fasten the air plug from the air hose into the air socket. Secure monitor into the carrying case.



3. Press the **START/STOP** button on the top of the device to start the first measurement. The programmed intervals will automatically begin.



Patient Tips

DO

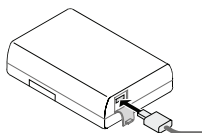
1. When inflation begins, relax arm, stay still and quiet.
2. Ensure the tube is not compressed or kinked.
3. Track your bed time and awake time then report to clinician.

DO NOT

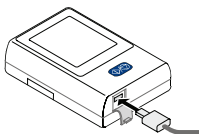
1. Operate heavy machinery. Vibrations may disrupt measurements.
2. Remove batteries during session.
3. Drop or shock the device.
4. Expose the device to rain or water.
5. Arrange the cuff hose around your neck during sleep.

Step 6: Downloading the data

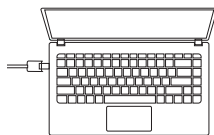
1. After the study is complete, connect the micro USB cable between the monitor and computer. **Please ensure you are using the cable that came with your monitor.**



TM-2440



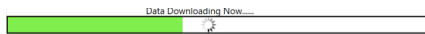
TM-2441



2. Open the A&D Medical **ABPM Data Manager** application from your computer.



3. Click the **Download** icon. The download will begin.



- Enter the patient information, including accurate sleep information. The reporting is based on this sleep input.

Step 7: Reviewing data and printing report

- After saving the patient information, the study measurements will appear.

#	Date	Time	SYS	DIA	MAP	DP	PUL	Status	Exclude	Comments
1	2018/03/07	11:44	104	77	86	75	73	HB--	<input type="checkbox"/>	
2	2018/03/07	11:46	104	72	82	75	73	HB--	<input type="checkbox"/>	
3	2018/03/07	12:00	***	***	***	***	***	AA 8	<input checked="" type="checkbox"/>	Pulse Err
4	2018/03/07	12:03	126	76	92	102	81	AA--	<input type="checkbox"/>	IHB
5	2018/03/07	12:30	116	82	93	90	78	AA--	<input type="checkbox"/>	
6	2018/03/07	13:00	115	75	88	89	78	AA--	<input type="checkbox"/>	
7	2018/03/07	13:30	108	71	83	91	85	AA--	<input type="checkbox"/>	IHB
8	2018/03/07	14:00	115	82	93	87	76	AA--	<input type="checkbox"/>	
9	2018/03/07	14:30	113	77	89	99	88	AA--	<input type="checkbox"/>	
10	2018/03/07	15:00	119	76	90	90	76	AA--	<input type="checkbox"/>	
11	2018/03/07	15:30	116	81	92	80	69	AA--	<input type="checkbox"/>	IHB
12	2018/03/07	16:00	110	78	88	75	69	AA--	<input type="checkbox"/>	
13	2018/03/07	16:30	***	***	***	***	***	AA10	<input checked="" type="checkbox"/>	Motion Err
14	2018/03/07	16:32	119	78	91	89	75	AA--	<input type="checkbox"/>	IHB
15	2018/03/07	17:00	112	80	90	77	69	AA--	<input type="checkbox"/>	
16	2018/03/07	17:30	126	90	102	95	76	AA--	<input type="checkbox"/>	IHB

- To generate report, click the **Layout** icon on the top menu.



3. Customize your report by selecting and deselecting items in the report layout. Click **Apply** and **Save** to set layout for future report generation.

Template Settings

Template Select
 Template: Standard Print Template

Layout

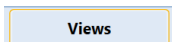
<input checked="" type="checkbox"/> Summary	Summary Settings <input checked="" type="checkbox"/> of BP Avg
<input checked="" type="checkbox"/> Data	<input checked="" type="checkbox"/> Awake Avg
<input type="checkbox"/> Partial Data	<input checked="" type="checkbox"/> Asleep Avg
<input type="checkbox"/> BP Data	<input checked="" type="checkbox"/> of Min
<input checked="" type="checkbox"/> Histogram	<input checked="" type="checkbox"/> Circadian
<input checked="" type="checkbox"/> Pie Graph	<input checked="" type="checkbox"/> of %P
<input checked="" type="checkbox"/> Trend Graph	<input checked="" type="checkbox"/> PUL
	<input checked="" type="checkbox"/> Missing
	<input checked="" type="checkbox"/> Comment

Subreport

Send Graph Settings
 Accretion
 Activity

4A. Click on the **Print** icon to print results.

4B. To save as .PDF, choose **Views**. Then, click on the **Export** icon. Choose the file location and file name. Click Save As. It will automatically generate a .CSV and .PDF file and save it in the selected file location.



Hospital Name			
BP Data	BP Data	BP Data	BP Data
Name/patient	Sec	Age	Hospitalization no.
Outpatient No. 0101144	Department: 01	Bed No. 01	Order: 1144 2018-03-07 --- 1420 2018-03-08
Valid readings(35 items) Sleep Time(100 --- 0000)			
[1]BP Avg 115/78 mmHg(Reference:130/80 mmHg)			
[2]Awake Avg 117/81 mmHg(Reference:130/80 mmHg)			
[3]Asleep Avg 101/70 mmHg(Reference:120/70 mmHg)			
MIN SYS: 105mmHg	MAX DIA: 105mmHg	MAX DIA: 105mmHg	MAX DIA: 105mmHg
MIN SYS: 72mmHg	MIN DIA: 52mmHg	MIN DIA: 52mmHg	MIN DIA: 52mmHg
(Dekawh) BP	Sleep BP	Sleep BP	Sleep BP
SYS < 135 mmHg: 3.33%	SYS < 120 mmHg: 13.00%	SYS < 120 mmHg: 13.00%	SYS < 120 mmHg: 13.00%
DIA < 85 mmHg: 25.00%	DIA < 70 mmHg: 60.67%	DIA < 70 mmHg: 60.67%	DIA < 70 mmHg: 60.67%
(8)Circadian Rhythms(blood pressure drop at night: 8.42%)			
Circadian blood pressure drop at night: 27.76% (Reference:0% - 30%)			
(7)CV			
AB/VS 18.28 %	DIA 18.32 %	DIA 18.32 %	DIA 18.32 %
Awake SYS 7.07 %	DIA 8.57 %	DIA 8.57 %	DIA 8.57 %
Sleep SYS 18.57 %	DIA 18.15 %	DIA 18.15 %	DIA 18.15 %
BP/Rate Rate			
AB/VS_Avg 71	MAX 96	MIN 55	(Stim/night)
AwakePUL_Avg 76	MAX 88	MIN 66	(Stim/night)
SleepPUL_Avg 64	MAX 86	MIN 55	(Stim/night)
(8)Morning blood pressure(11/70)Awake BP in the first two hours after awakening			
Normal reference value: 135mmHg / 85mmHg			
Comment			
Reported:		2020-12-4	

Hospital Name								
BP Data	BP Data	BP Data	BP Data					
Name/patient	Sec	Age	Hospitalization no.					
Outpatient No. 0101144	Department: 01	Bed No. 01	Order: 1144 2018-03-07 --- 1420 2018-03-08					
# Date Time SYS DIA MAP DP PUL Status Comments								
1	2018/03/07 11:44	84	77	76	73	73	108	
2	2018/03/07 11:46	86	72	82	72	73	108	
3	2018/03/07 12:03	126	76	92	102	81	AA	HR
4	2018/03/07 12:30	116	82	93	90	78	AA	
5	2018/03/07 13:00	133	72	88	78	78	AA	
6	2018/03/07 13:30	106	71	83	81	85	AA	HR
7	2018/03/07 14:00	113	62	82	87	76	AA	
8	2018/03/07 14:30	113	77	89	89	88	AA	
9	2018/03/07 15:00	119	76	89	89	76	AA	HR
10	2018/03/07 15:30	133	72	88	78	78	AA	
11	2018/03/07 15:35	133	81	82	88	88	AA	HR
12	2018/03/07 16:00	110	78	88	78	69	AA	
13	2018/03/07 16:30	113	62	82	87	76	AA	
14	2018/03/07 16:32	119	76	91	89	76	AA	HR
15	2018/03/07 17:00	132	80	89	72	89	AA	
16	2018/03/07 17:30	126	90	102	89	76	AA	HR
17	2018/03/07 18:00	126	81	82	88	88	AA	HR
18	2018/03/07 18:30	120	96	105	90	75	AA	HR
19	2018/03/07 19:00	115	85	87	88	78	AA	
20	2018/03/07 19:30	137	88	97	89	81	AA	
21	2018/03/07 20:00	121	91	101	89	71	AA	
22	2018/03/07 20:30	128	94	103	94	84	AA	
23	2018/03/07 21:00	118	85	96	78	67	AA	
24	2018/03/07 21:30	134	87	98	78	62	AA	
25	2018/03/07 22:00	100	91	104	72	56	AA	
26	2018/03/07 22:30	146	100	112	102	82	AA	HR
27	2018/03/08 00:00	114	80	91	85	71	AA	
28	2018/03/08 00:30	106	79	86	88	83	AA	
29	2018/03/08 01:00	114	79	84	84	84	AA	
30	2018/03/08 01:30	108	77	87	87	82	AA	
31	2018/03/08 02:00	84	59	67	52	62	AA	
32	2018/03/08 02:30	87	58	67	58	62	AA	
33	2018/03/08 03:00	87	66	74	67	62	AA	
34	2018/03/08 03:30	85	65	72	65	62	AA	
35	2018/03/08 04:00	92	65	74	62	57	AA	
36	2018/03/08 04:30	97	65	75	65	57	AA	
37	2018/03/08 05:00	79	62	69	64	56	AA	
38	2018/03/08 05:30	84	67	75	62	56	AA	

