

User's Guide

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Important Information

Important Information

- It is prohibited to use or copy all or part of this software and Help Manual without permission from Rossmax International Ltd..
- Please use the Microsoft Windows \ Microsoft Office \ Adobe Acrobat
 Reader with license agreement.
- The screen images printed in this Help Manual may slightly differ from the images displayed by the software.
- The specifications of this software and the description in this Help Manual are subject to change without prior notice.
- Based on real time to setup the date and time of the blood pressure monitor and the software.

Before You Begin

Operation Environment Requirement

Supported Operating System:

Microsoft Windows

* NOTE 1 \ * NOTE 2

System Requirements:

CPU: 800 MHz or more

Memory: A minimum of 512 MB (megabytes) free memory.

Hard Disk Space: 500 MB or more of available hard disk space.

Monitor: 1024 × 768 or large is recommended.

Other: USB Interface*1 (USB 1.1or upgrade).

* NOTE1 : BP Manager 6.2 software is tested based on Windows 10.

It is highly recommended to upgrade your system to

Windows 10 if the unexpected errors occur.

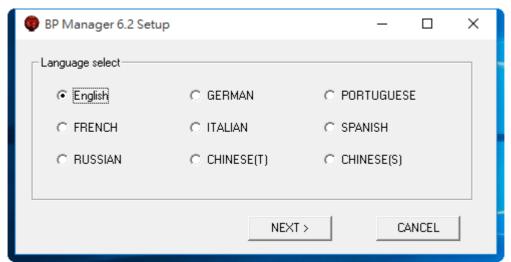
* NOTE2 : Please operate or set up BP Manager 6.2 software in the relative language family supported system.

Installing Step

→ Click Setup.exe



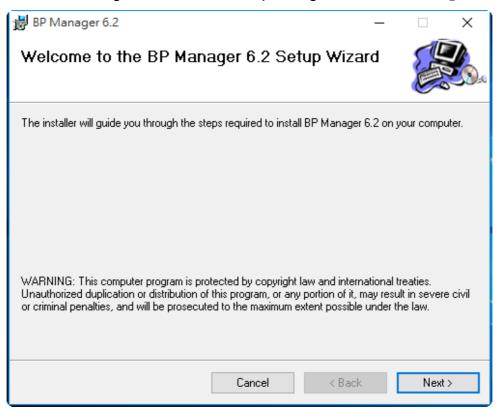
→ Select setup language , click 「NEXT」



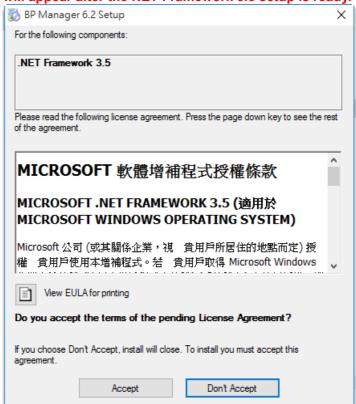
*NOTE: If the select language cannot be installed successfully, please go to the select language file and click Setup.exe



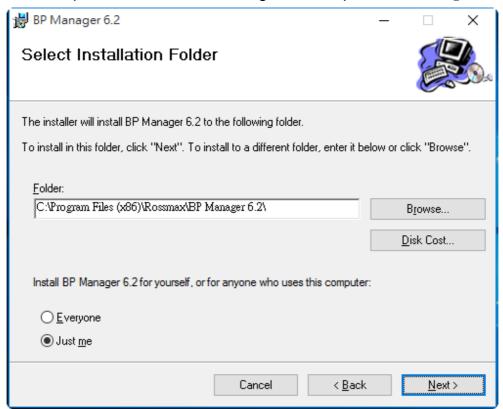
→ The BP Manager 6.2 software setup dialog box, click 「NEXT 」。



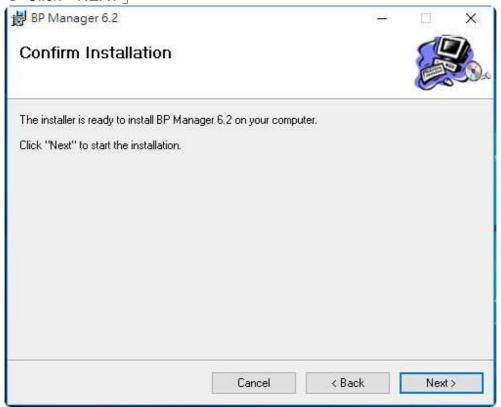
*NOTE: The NET Framework 3.5 setup dialog box will appear and inform you of setup, if the NET Framework 3.5 has not been installed completely. Click 「Accept」 to set up the NET Framework 3.5, then the BP Manager 6.2 setup dialog box will appear after the NET Framework 3.5 setup is ready.



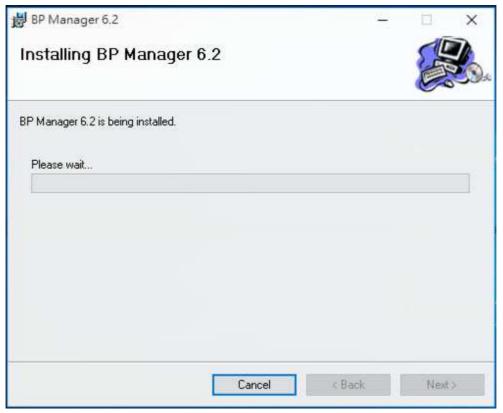
→ Select path and user of BP Manager 6.2 setup, click 「NEXT」



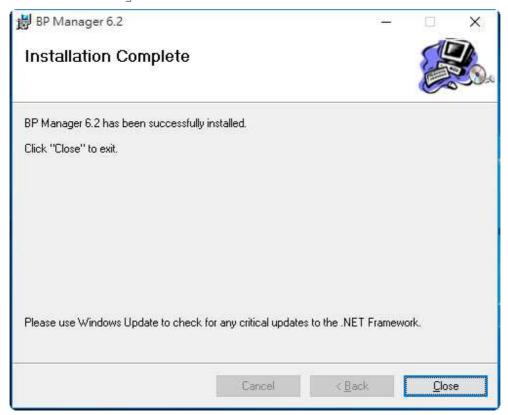
→ Click 「NEXT」



→ The BP Manager 6.2 setup



→ Click 「Close」

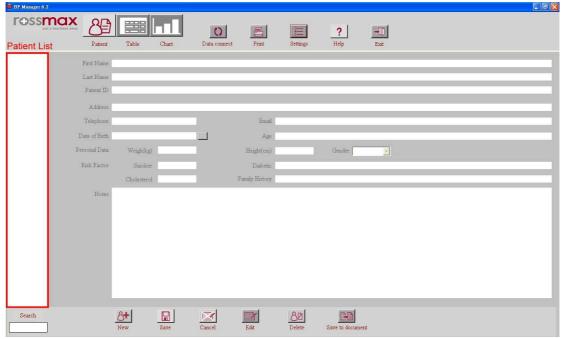


BP Manager 6.2 can create more than one patient information to process blood pressure management individually.

Patient Information Window



Click Fatient



*NOTE: If it shows below dialog box, please select one record in the patient list.



Create the Patient Information



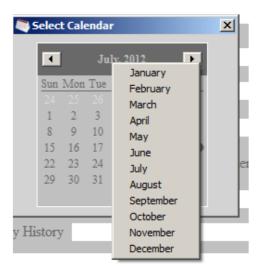
Click \(\text{New} \), then enter patient's information.

For example:





Click to enter the Date of Birth, press the number of "Date", "Month" and "Year" to select the patient's birth day, then the age will be calculated automatically.





Click month to quick select birth month

Click year to quick select birth year

*NOTE: The dialog box will appear if you enter the same patient's ID in creating New Patient Information



Click Yes to save as a new file and add serial number after the repeated patient's ID

Click $\ ^{\lceil}\text{No}\,_{\rfloor}$ to cover the repeated patient's ID information.

Click 「Cancel」 to cancel 「Create New Patient Information」

Saving the "Create and Edit Patient Information"



Click \lceil Save \rfloor to save the Create or Edit patient information under "Create" or" Edit" patient information mode.

*NOTE: The dialog box will appear if First Name or Last Name and patient ID has not been input before "Save" it.



Editing the Patient Information



Click patient's name to enter the patient information, then click \lceil Edit \rfloor to modify the patient information.

*NOTE: The patient's ID cannot be modified.

Canceling the "Create or Edit Patient Information"



Click \lceil Cancel \rfloor to cancel the Create or Edit patient information under "Create" or "Edit" patient information mode.

Deleting the Patient Information



Click patient's name to enter the patient information, then dialog box will appear when clicking Delete . Select "YES" to delete the patient's information, Select "NO" to cancel "delete" the patient information.



Searching the Patient Information



Enter patient's name or ID to quick search patient information.

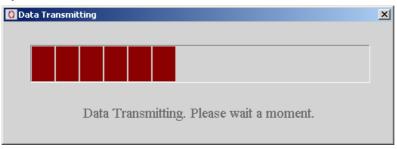
Transferring the Patient Information to Word File



*NOTE: The function cannot be activated if no patient information is found.

Click patient's name to enter the patient information, then "save as" setting window will appear when clicking \[\text{Save} to document \] . Select "Save" to export the information to Word file. Select "Cancel" to cancel exporting the information to Word file.

After data is transmitted completely, the information will be saved as word file in you indication file.



Printing the Patient Information



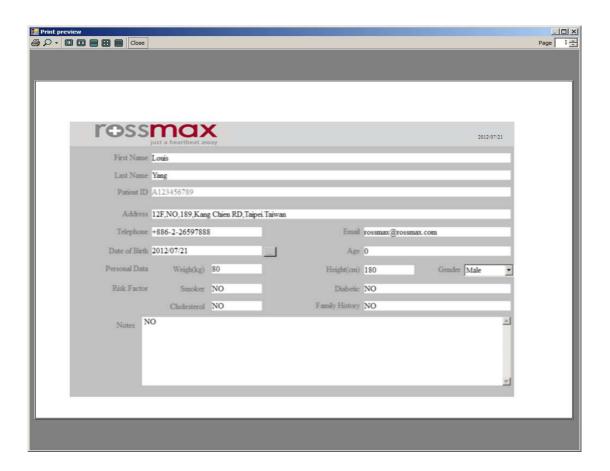
*NOTE: The function cannot be activated if no patient information is found.

Click patient's name to enter the patient information, then click $\lceil \mathsf{Print} \rfloor$ to show $\lceil \mathsf{select} \ \mathsf{printer} \rfloor$ window . The $\lceil \mathsf{print} \ \mathsf{print} \rangle$ window will appear after clicking $\lceil \mathsf{Print} \rfloor$.

¬print preview window:

- 2. Click \[\begin{aligned} \text{O} \] to select \[AUTO \] \[\begin{aligned} 500\% \] \[\begin{aligned} 150\% \] \[\begin{aligned} 150\% \] \[\begin{aligned} 150\% \] \[\begin{aligned} 175\% \] \[\begin{aligned} 175\%
- 4. Click Close to close the print preview window directly.
- 5. Page select 「▲ 」 shows page down; 「▼ 」 shows page up。

*NOTE: 「▼」 will not function when it is in the first page; 「▲」 will not function when it is in the final page.



Transferring the Blood Pressure Data

*NOTE: Transferring data is supported by blood pressure monitor with time function.

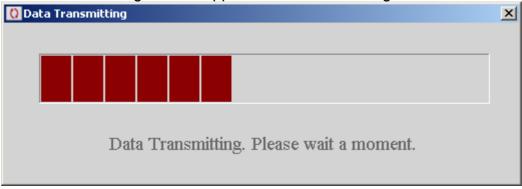
- → Make sure blood pressure monitor has power source (batteries or adapter).
- → Plug the USB jack of the cable into PC USB port.
- → Open the BP Manager 6.2 software.
- → Plug the earphone jack of USB cable into data link port of blood pressure monitor, and then click 「M」 Key of blood pressure monitor to enter data transfer mode.



→ Click 「Data connect」 to transfer the data.



→ The below dialog box will appear when data is being transmitted.



*NOTE: Patient information is must in the database, or the below dialog box will appear.



The result of the Transfer Data

*NOTE: Error message will be shown when the data date is 2/29 except the leap year.

The transfer result will skip the error data.



1. The below information will appear when USB cable is not connected.



*NOTE: Please connect USB cable and then try again.

2. The below information will appear when the connection between USB cable and PC is suspended



*NOTE: Please close the BP Manager 6.2, and then open the BP Manager 6.2 again after USB cable is connected

3. The below information will appear when data transfer is failed.



*NOTE: Please try again transfer step.

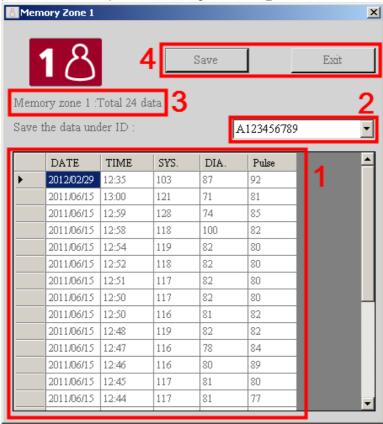
4. The below information will appear when No data is found on blood pressure monitor.



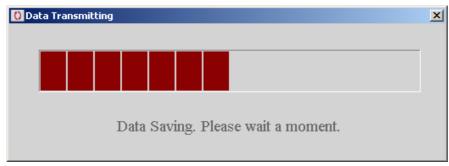
- 5. Successful Transfer: Memory Zone 1 will appear when Only the first memory zone has data.
- 6. Successful Transfer: Memory Zone 2 Jwill appear when Only the second memory zone has data.
- 7. Successful Transfer: 「Memory Zone 1」 and 「Memory Zone 2」 will appear when Both of the first and second memory zone have data

Saving the Transfer Data

After data transfer is successful, the blood pressure information window will appear. For example \lceil Memory Zone 1 \rfloor



- → Mark 1 : The blood pressure data of the blood pressure monitor.
- → Mark 2 : Select patient ID to save blood pressure data.
- → Mark 3: Total number of the blood pressure data.
- → Mark 4 : Click 「Save」 to save the blood pressure data and then show below dialog box.



- *NOTE1: Save data according to patient ID.
- *NOTE2: The data will not be transferred again if the data transmitted is identical to the data saved on the database of PC.
- → The **Memory Zone** window will be closed automatically after data has been saved successfully.
- →Click Fexit to guit the window, then the data will not be saved.

Table Information Page



Click Table

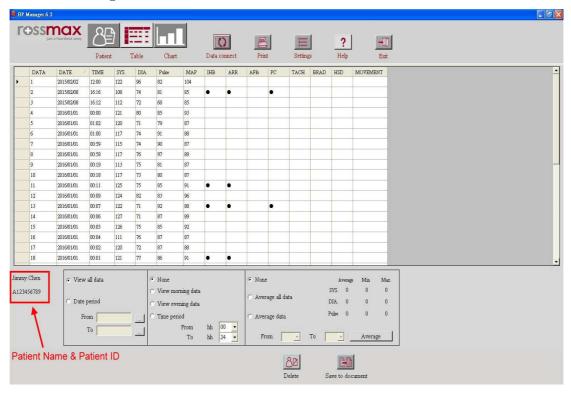


Table Information column

Table information column names as below.

DATA DATE / TIME SYS. DIA. Pulse MAP IHB ARR AFB PC TACH BRAD HSD MOVEMENT

DATA: The number of Data DATE: Measurement date TIME: Measurement time

SYS. : Systolic
DIA. : Diastolic
Pulse : Heart beat

MAP: Mean Arterial Pressure

*NOTE: Show the value of average arterial pressure.

IHB: Irregular Heart Beat

*NOTE: 「●」 shows it has IHB data.

ARR: Arrhythmia

*NOTE: 「●」 shows it has arrhythmia data.

AFib: Atrial Fibrillation

*NOTE: 「●」 shows it has Atrial Fibrillation data.

PC: Premature Contraction

*NOTE: 「 • I shows it has Premature Contraction data.

TACH: Tachycardia

*NOTE: 「 • | shows it has Tachycardia data.

BRAD: Bradycardia

*NOTE: 「●」 shows it has Bradycardia data.

HSD: Hemodynamic Stability Determination

*NOTE: 「 • | shows it has instable measuring data (HSD positive)

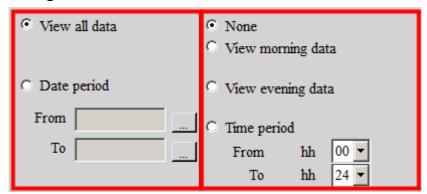
MOVEMENT: Movement Determination

*NOTE: 「 • 1 shows it has movement measuring data.

Sorting the Table Information

Click DATE \ TIME \ SYS. \ DIA. \ PULSE \ MAP \ IHB \ ARR \
AFib \ FC \ TACH \ BRAD \ HSD \ MOVEMENT \, and then the data will be sorted up to down or converse.

Sifting the Table Information



Date of appointed area

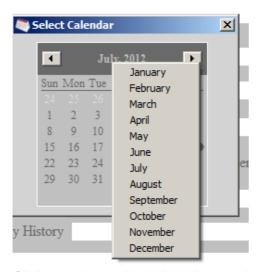
Time of appointed area

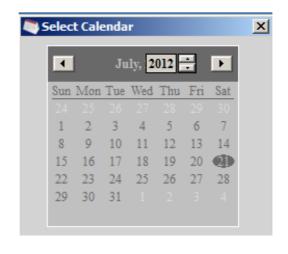
- 1. \(\text{View all data} \) + \(\text{None} \) : All data is listed.
- 2. \(\text{View all data} \) + \(\text{View morning data} \) : Morning data is listed.
- 3. \(\text{View all data} \) + \(\text{View evening data} \) : Evening data is listed.
- 4. \[\text{View all data} \] + \[\text{Time period} \]: The data of the appointed time is listed.
- 5. \[\textstyle \text
- 6. \[\text{Date period} \] + \[\text{View morning data} \]: The morning data of the appointed date is listed.
- 7. \[\text{Date period} \] + \[\text{View evening data} \]: The evening data of the appointed date is listed.
- 8. \[\text{Date period} \] + \[\text{Time period} \]: The data of appointed date and time is listed.

*NOTE1: The Morning time = 00:00~11:59; The Evening time = 12:00~23:59



*NOTE2 : Click ___ to select the appointed date, month and year.





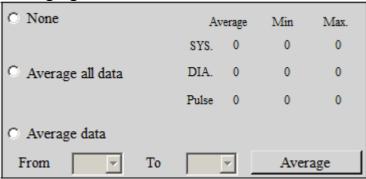
Click month to quick select the appointed month.

Click year to quick select the appointed year

*NOTE 3 : $\lceil To \rfloor$ date must $\geq \lceil From \rfloor$ date



Averaging the Table Information



Information Selection:

- 1. 「None ⊥: No data is selected.
- 2. \(\text{Average all data} \) : Select all data.
- 3. \(\text{Average data} \) : Select the data of appointed range
- 4. Random select: Move the mouse cursor and highlight the data, then the data will be selected automatically. Select the highlighted data again, and then the data will be not selected.

Data Average:

After data is selected, click \lceil Average \rfloor to calculate the average, maximum and minimum value of \lceil SYS. \rfloor \backslash \lceil DIA. \rfloor \backslash \lceil PULSE \rfloor .

*NOTE: The dialog box will appear If no data is selected.



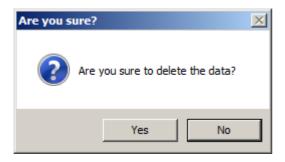
Deleting the Table Information



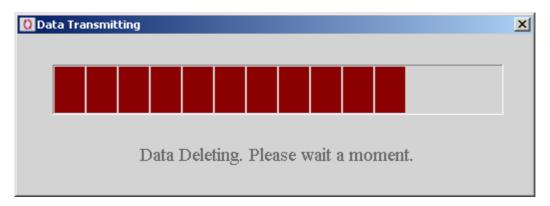
Click delete and then select Delete one for single data or Delete from...To for serial data.



Click \(\text{\text{No}} \) and then click \(\text{Yes} \) to delete data; click \(\text{No} \) to quit the window.



Start to delete data



Transferring the Table Information to Word File



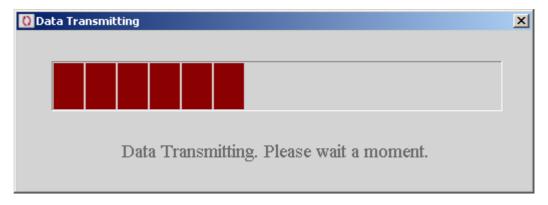
*NOTE: The function cannot be activated if no patient information is found.

Click \subseteq Save to document \subseteq and then select \subseteq trans from all \subseteq or \subseteq trans from ...To \subseteq



Click to show "save as" setting window. Select "Save" to export the information to Word file. Select "Cancel" to cancel exporting the information to Word file.

After data is transmitted completely, the information will be saved as word file in you indication file.



Printing the Table Information



*NOTE: The function cannot be activated if no patient information is found.

Click \[\text{Print} \] and then select \[\text{Print all} \] or \[\text{Print from ...To} \]



Click \[\text{lick} \] to show \[\text{select printer} \] window, the \[\text{print preview} \] window will appear after clicking \[\text{Print} \] .

□ Print Preview | window :

- 3. Click to select to select to page in two pages in three pages in four pages in three pages in
- 4. Click 「Close to close the print preview window directly.
- 5. Page select 「▲ 」 shows page down; 「▼ 」 shows page up。

*NOTE: 「▼」 will not function when it is in the first page; 「▲」 will not function when it is in the final page.

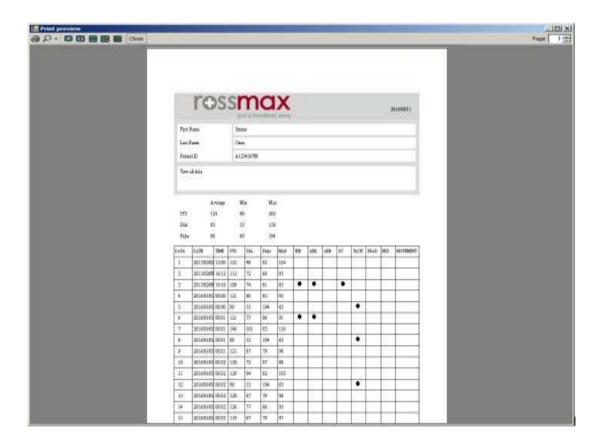


Diagram Information Page

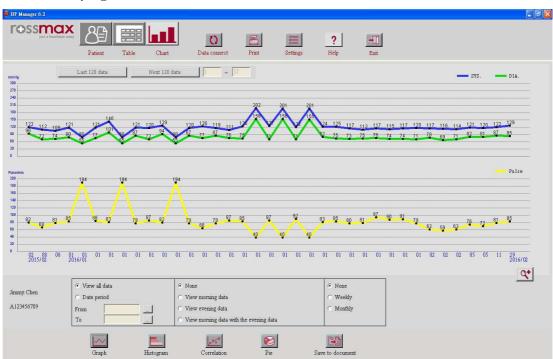


*NOTE : Graph · Histogram · Correlation · Pie will not function if no patient data is found. Click 「Chart」

Graph



The Graph type can show the value of SYS. ${\bf \cdot}$ DIA. and PULSE. Click ${\bf \cdot}$ Graph ${\bf \cdot}$



Zooming in and Zooming out of Graph

Click to zoom in the Graph; Click to zoom out the Graph.

Shifting the Graph Information

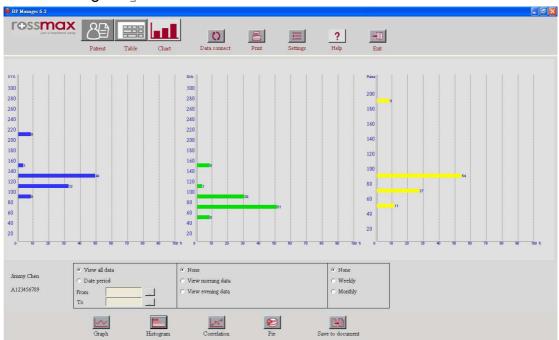
Every page shows 120 data, click Last 120 data to shift to last 120 data; click Next 120 data to shift to next 120 data.

*NOTE: 「Last 120 data」 will not function when it is in the first data; 「Next 120 data」 will not function when it is in the final data.

Histogram



The Histogram shows SYS. \cdot DIA. and PULSE analyzed by percentage (%). Click \ulcorner Histogram $_{\bot}$



*NOTE1: Histogram is divided into three parts, from left to right as SYS. > DIA. and Pulse.

*NOTE2: SYS. (Blue) Classification (Green): Range 0~300 mmHg, 20 mmHg per section, %.

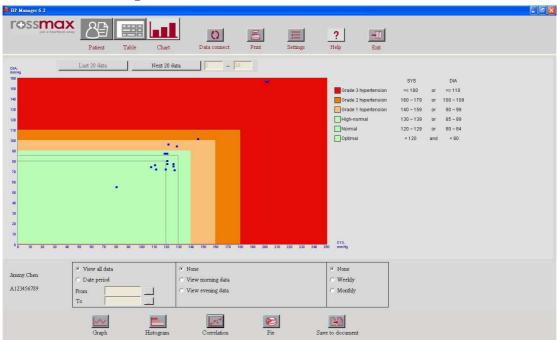
*NOTE3: PULSE | (Yellow): Range 0~200 pulse/min, 20 mmHg per section, %.

Correlation



The Correlation shows the area of SYS. and DIA using the points in blue The blood pressure ranges can be classified into 6 grades (WHO) or 4 grades (JNC 7) differentiated by color.

Click Correlation



Shifting the Correlation Information

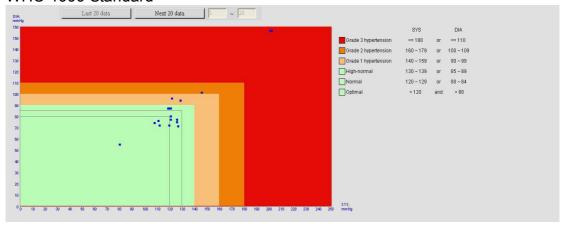
Every page shows 20 data, click 「Last 20 data」 to shift to last 20 data; click 「Next 20 data」 to shift to next 20 data.

*NOTE: Last 20 data will not function when it is in the first data; Next 20 data will not function when it is in the final data.

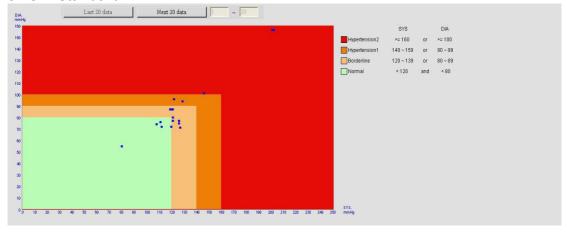
Switching Blood Pressure Standard

□ Blood Pressure Standard \(\text{can be classified into 2 standards shown as below and selected in Setting page.} \)

WHO 1999 Standard



JNC 7 Standard



Pie



The Pie shows SYS. and DIA. analyzed by percentage (%)

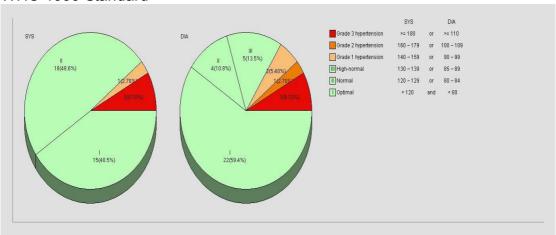
The blood pressure ranges can be classified into 6 grades (WHO) or 4 grades (JNC 7) differentiated by color.



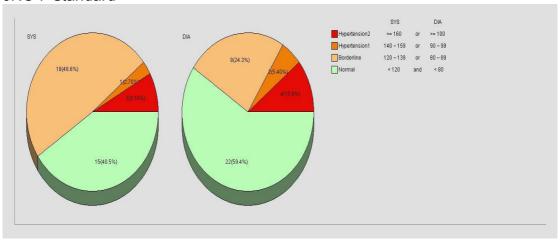
Switching Blood Pressure Standard

□ Blood Pressure Standard _can be classified into 2 standards shown as below and selected in Setting page.

WHO 1999 Standard

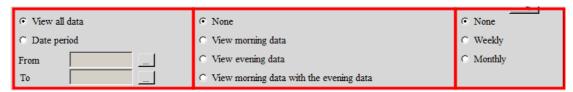


JNC 7 Standard



Sifting the Diagram Information

Sifting data is divided into the date . Time 1 . Time 2 of appointed area.



Date of appointed area

Time 1 of appointed area

Time 2 of appointed area

- 1. \[\text{View all data} \] + \[\text{None} \] + \[\text{None} \] : All data is listed.
- 2. \[\text{View all data} \] + \[\text{View morning data} \] + \[\text{None} \] : Morning data is listed
- 3. \[\text{View all data} \] + \[\text{View evening data} \] + \[\text{None} \]: Evening data is listed.
- 4. \[\text{View all data} \] + \[\text{None} \] + \[\text{Weekly} \]: The weekly average data is listed.
- 5. \(\text{View all data} \) + \(\text{None} \) + \(\text{Monthly} \) : The monthly average data is listed.
- 6. \[\text{Date period} \] + \[\text{None} \] + \[\text{None} \]: The data of the appointed date is listed.
- 7. \[\text{Date period} \] + \[\text{View morning data} \] + \[\text{None} \] : The morning data of the appointed date is listed.
- 8. \[\text{Date period} \] + \[\text{View evening data} \] + \[\text{None} \] : The evening data of the appointed date is listed.
- 9. \[\text{Date period} \] + \[\text{None} \] + \[\text{Weekly} \]: The weekly average data of the appointed date is listed.
- 10. Date period + None + Monthly: The monthly average data of the appointed date is listed.
- 11. \(\text{View all data} \) + \(\text{View morning data with the evening data} \) + \(\text{None} \) : The morning and evening data is listed.
- 12. \(\text{Date period} \) + \(\text{View morning data with the evening data} \) + \(\text{None} \) : The morning and evening data of the appointed date is listed.

*NOTE1: Point 11 and 12 can only be shown in Graph.

*NOTE2 : The Morning time = 00:00~11:59 ; The Evening time = 12:00~23:59



*NOTE3 : Click ____ to select the appointed date, month and year.



Select Calendar X July, 2012 Sun Mon Tue Wed Thu Fri

month.

Click month to quick select the appointed
Click year to quick select the appointed year

*NOTE 4 : $\lceil To \rfloor$ date must $\geq \lceil From \rfloor$ date



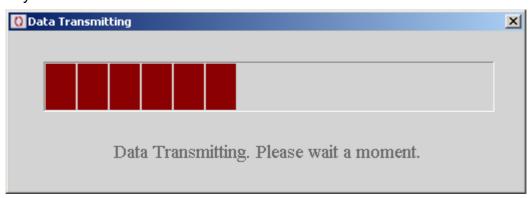
Transferring the Diagram Information to Word File



*NOTE: The function cannot be activated if no patient information is found.

Click \(\text{ Large of Save as setting window. Select "Save" to export the information to Word file. Select "Cancel" to cancel exporting the information to Word file.

After data is transmitted completely, the information will be saved as word file in you indication file.



Printing the Diagram Information



*NOTE: The function cannot be activated if no patient information is found.

Click $\lceil \text{Print} \rfloor$ to show $\lceil \text{select printer} \rfloor$ window, the $\lceil \text{print preview} \rfloor$ window will appear after clicking $\lceil \text{Print} \rfloor$.

☐ Print Preview | window :

- 1. Click [a to print.
- 2. Click \[\begin{aligned} \textsup \cdot \text{ select } \ \text{AUTO} \\ \cdot \text{500\%} \\ \cdot \text{75\%} \\ \cdot \text{150\%} \\ \cdot \text{150\%} \\ \cdot \text{100\%} \\ \end{aligned} \] 9 types zoom in and zoom out of display size.
- 4. Click Close to close the print preview window directly.
- 5. Page select 「▲ 」 shows page down; 「▼ 」 shows page up。
- *NOTE: 「▼」 will not function when it is in the first page; 「▲」 will not function when it is in the final page.

Setting

Setting Page



Click Setting _

*NOTE : Please click \lceil OK \rfloor to confirm the settings.



Setting

Setting General Preferences

```
Date format: you can select 「yyyy/MM/dd」
「dd/MM/yyyy」
「MM/dd/yyyy」
```

Time format: you can select \[12-hours \] or \[24-hours \] .

*NOTE: \[\tau 12\)-hours \(\) can only be used in the Table Information, the other displays will be shown with \[\tau 24\)-hours \(\) .

Unit format: you can select \(\text{kg/cm} \), \(\text{lb/in} \).

*NOTE 1 : The data of Height and Weight in patient information will be changed accordingly when the unit format is converted.

*NOTE 2 : The data will be rounded off after the decimal when converting the unit.

It may cause data errors if the unit format is converted frequently.

Setting Blood Pressure Standard

You can select \(^VHO \) 1999 standard \(_\) or \(^JNC \) 7standard \(_\).

Select Language

9 types of languages selection

- 1. FENGLISH English 2. DEUTSCH German
- 3. 「PORTUGUÊS」 portuguese 4. 「FRANCAIS」 French
- 5. 「ITALIANO」Italian 6. 「ESPAÑOL」 Spanish
- 7. 「РУССКИЙ」Russian 8. 「繁體中文」 Traditional Chinese
- 9. 「简体中文」Simple Chinese

Setting

Export Patient File

Click \lceil Export \rfloor to export all the \lceil patient information \rfloor , \lceil table information \rfloor and \lceil diagram information \rfloor of the BP Manager 6.2 to an indication file.

Then click 「OK」 to export the data; click 「☒」 to cancel exportation.



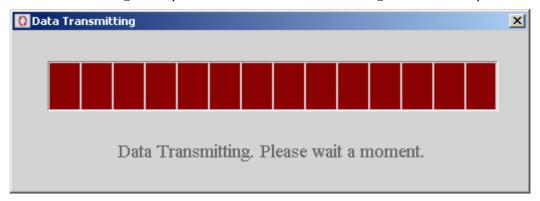
*Note : The file must be named as $\lceil \mathsf{patient.xml}\, \rfloor$.

Import Patient File

Click \[\text{Import} \] to Import all the \[\text{patient information} \], \[\text{table information} \] and \[\text{diagram information} \] into the BP Manager 6.2 from an indication file.

*Note: The file must be named as \lceil patient.xml \rfloor .

Then click 「OK」 to import the data; click 「Cancel」 to cancel importation。



Import is Successful



Import is failed



Help

Operation Instruction



Click \lceil Help \rfloor to view the BP Manager 6.2 Help Manual.

*Note: Adobe Acrobat Reader is needed when operating.

The dialog box will appear if Adobe Acrobat Reader has not been installed.



Exit

Exit the Software



- 1. Click Fexit .



Click \lceil Yes \rfloor to exit BP manager 6.2; Click \lceil No \rfloor to close the dialog box.