Download and Install the Application

This section provides the step by step instructions to download and install the YAT Software.

- 1. Click https://sourceforge.net/projects/y-a-terminal/ to download the YAT Software on a PC/Laptop running Windows Operating System 2000 or above.
- 2. Click Browse All Files.

 ★ 4.9 Stars (13) ↓ 351 Downloads (This Week) In Last Update: 17 hours ago 		sf ya	D wnload T-2.0_Gamma-3_Version-1.99.70_x84	.zip
🎔 Tweet G+		Browse A	All Files	
Click Archive.				
Home				
Name +	Modified +	Size +	Downloads / Week +	
Archive	2017-07-04		2	
YAT-2.0_Gamma-3_Version-1.99.70	2017-07-04	8.0 MB	298 🚺	0
YAT-2.0_Gamma-3_Version-1.99.70	2017-07-04	221.4 MB	7 🔔	1
Click Version 1.99.3	4 – Yat	2.0.		
Name	Modified	Size	Downloads / Week	
↑ Parent folder				
Version 1.99.52 - YAT 2.0 Gam	2016-09-30		0	
Version 1.99.34 - YAT 2.0 Gam	2015-06-13		1	

5. Click the appropriate file based on your system configuration (32 bit / 64 bit) to start downloading.

Home / Archive / Version 1.99.34 - YAT 2	2.0 Gamma 1			9
Name +	Modified +	Size +	Downloads / Week +	
↑ Parent folder				
YAT Release Notes - ReadMe.txt	2015-06-13	56.2 kB	0	0
YAT-2.0_Gamma-1_Version-1.99.34	2015-06-13	220.7 MB	1 🛴	0
YAT-2.0_Gamma-1_Version-1.99.34	2015-06-13	7.4 MB	0	0
YAT-2.0_Gamma-1_Version-1.99.34	2015-06-13	220.7 MB	0	0
YAT-2.0_Gamma-1_Version-1.99.34	2015-06-13	7.4 MB	0	0
Totals: 5 Items		456.2 MB	1	

6. Once the download is complete go to the Downloads folder and click the YAT-2.0 folder to unzip.



7. Click **setup.exe** to start the installation.

Name	Туре	Compressed size	Password
l-ReadMe	Text Document	2 KB	No
setup	Application	192 KB	No
YAT Release Notes	Text Document	15 KB	No
🔂 YAT-x64_(64-bit)	Windows Installer Package	7,057 KB	No

8. Click Next.



9. Select the location to install by clicking **Browse** and then click **Next**.

5 YAT	
Select Installation Folder	
The installer will install YAT to the following folder. To install in this folder, click "Next". To install to a different folder, enter	it below or click "Browse".
Eolder: C.\Program Files\YAT\	Browse Disk Cost
Install YAT for yourself, or for anyone who uses this computer:	
 L veryone Just me 	
Cancel < B	ack Next >

10. Click Next.



- 11. Click Yes to the User Account Control.
- 12. Click **Close** once the installation is complete.

当 YAT	X
Installation Complete	1.02
🔚 [Terminal1 *] - Server1000 - Connected	
YAT has been successfully installed.	
Click "Close" to exit.	
Please use Windows Update to check for any critical updates to the .NET	Framework.
Cancel < Back	Close

First Time Use

5

6

7

This section talks about the First time setup post installation.

- 1 Open the **YAT** application from Start Menu and close any popups that may appear.
- 2 Connect the "ChARM PHW" device to the Computer/Laptop using the USB cable.
- **3** Press the **"OK**" key on the **ChARM device** for it to be recognized.
- 4 Click **Terminal** on the Toolbar.





Click Text Settings.

8 9

Select **<LF>** from the EOL Sequence dropdown.

Encoding:		ОК
Western European (Windows) [1252] (Default)	Cancel
EOL (end of line) sequ	ence	
EOL sequence:	<lf></lf>	-
Separate EOL se	None	Defeute
Rx EOL sequence:		Deraults
Show end of line	<lf><cr> <tab></tab></cr></lf>	
Send Settings	<nul></nul>	_
Add delay of	500 ms each 1 line	
Wait for response	before sending the next line	
with a timeout of	500 ms	
Substitute Character	3	
None (e.g. "Rst	-> "Rst")	
O Upper case (e.g	"Rst" -> "RST")	
Lower case (e.g	"Rst" -> "rst")	
Comments		
Do not send text	that is marked as comment	
Comment indicators:	Add	
	Delete	
	Up	
	Down	
Neither send wh	te spaces before indicators	

10 11





12

Uncheck the Replace Characters (for string/char radix) box.



18

Shown below is a **screenshot** of the application post configuration.



Data Downloading

This Section talks about the steps to download the Data onto the Computer/Laptop.

- 1 Open the **YAT** application from Start Menu if not already opened and close any popups that may appear.
- 2 Connect the "ChARM PHW" device to the Computer/Laptop using the USB cable.
- 3 Press the "OK" key the ChARM Device.
- 4 Ensure the device connectivity status icon is "**Green**" (Bottom right corner of the YAT 'Application).



5 Under the Send Command Tab Type "**A**" and click send Command. The device starts to transfer the records. Once all the data is successfully transferred, the green LED on the ChARM device shall glow for about three seconds.

Send <u>C</u> ommand	
A	
Send <u>Fi</u> le	
<set a="" file=""></set>	



Note: RED LED blinking twice after the steady Green LED is acceptable. The steady Green LED is the only criteria for the successful Data Transfer operation.

- 6 Once all the Data Appears click anywhere on the Data and press the **ctrl+A** on the keyboard to select all.
- 7 Right click and select **Save to File**.



8 Select the Desired location to save and enter the desired **File Name** followed by .csv (Comma separated values).

Save As						~
COC - Lib	oraries	Documents	•	₄ ∳ Search Do	ocuments	٩
Organize 🔻 Ne	w folde	r				0
ጵ Favorites 📃 Desktop	Î	Documents library Includes: 2 locations		Arr	ange by: Folder 🔻	
Downloads		Name	Date modified	Туре	Size	
🕍 Recent Places	=	鷆 Custom Office Templates	10/30/2015 10:35	File folder		
📜 Libraries		퉬 My Received Files	2/11/2016 10:28 PM	File folder		
Documents		🐌 Snagit	11/7/2015 10:46 PM	File folder		
J Music						
Pictures						
🛃 Videos						
👰 Computer	-					
File <u>n</u> ame:	Name	file.csv				•
Save as <u>t</u> ype:	Text Fi	les (*.txt;*.text;*.log)				•
Alide Folders				Save	Cancel	

9 Click Save.

😕 Save As		No. of Concession, Name	-			×
Lik	oraries	Documents	•	↓ Search Do	cuments	٩
Organize 🔻 Ne	w folde	r			• ==	0
☆ Favorites ■ Desktop	Â	Documents library Includes: 2 locations		Arr	ange by: Folder	•
 Downloads Recent Places Libraries Documents Music Pictures Videos 	E	Name Custom Office Templates My Received Files Snagit	Date modified 10/30/2015 10:35 2/11/2016 10:28 PM 11/7/2015 10:46 PM	Type File folder File folder File folder	Size	
🖳 Computer	-					
File <u>n</u> ame: Save as <u>t</u> ype:	<mark>Name</mark> Text Fi	file.csv les (*.bxt;*.text;*.log)				•
Hide Folders				<u>S</u> ave	Cance	:

10

The Data in the saved file should be interpreted in the following manner.

<u>Column</u>	Data Item	
Α	Record Number	
В	Date of measurement	
С	Age group	
D	Respiration rate	
	IMCI classification(0 is normal-1 is	
E	abnormal)	
F	Device serial number	
	A byte to be used for Cyclic	
	Redundancy Checks (CRC).	
G		

(If the Date of measurement (Column "B") is "- No Date -", then follow the instructions listed in the Clock Setting section below)

Clock Setting

This Section talks about the steps to configure the Real Time Clock (RTC) on the ChARM Device using the YAT application.

- 1. Follow steps 1-4 listed in the **Data Downloading** section.
- 2. Under the Send Command Tab Type the RTC configuration string in the following format- "RTCYYYYMMDDhhmm"
- YYYY Year
- MM Month
- DD Date
- hh Hour (24 hour format)
- mm Minutes

For Example: If it is 8:15 PM on 18th March 2016 the RTC configuration string will be **RTC201603182015**

	Send Command					
	RTC201603182015					
	Send File					
	<set a="" file=""></set>					
3.	. Click Send Command					
		Send Command (F3)				
		Send File (F4)				

4. Upon successful configuration of the RTC, the green LED on the ChARM device shall glow for about three seconds.

Note: RED LED blinking twice after the steady Green LED is acceptable. The steady Green LED is the only criteria for the successful Clock setting operation.