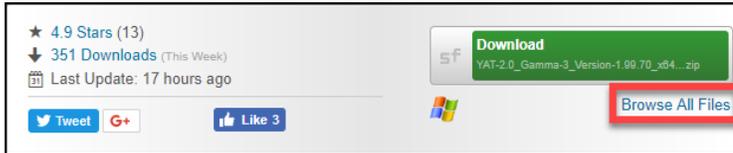


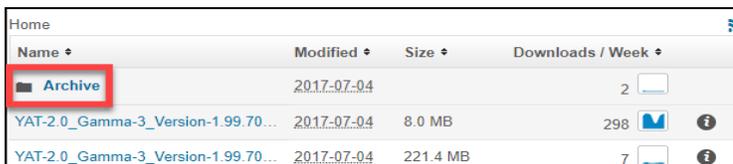
Download and Install the Application

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

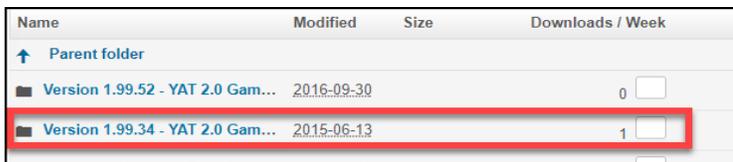
1. Click <https://sourceforge.net/projects/y-a-terminal/> to download the YAT Software on a PC/Laptop running Windows Operating System 2000 or above.
2. Click **Browse All Files**.



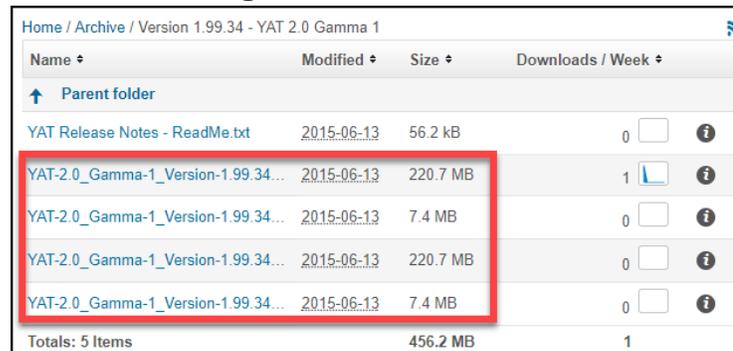
3. Click **Archive**.



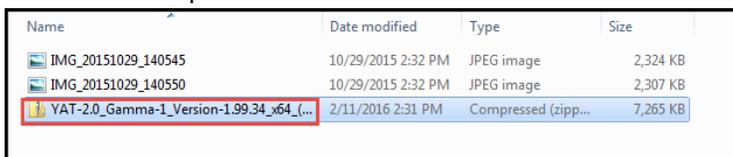
4. Click **Version 1.99.34 – Yat 2.0**.



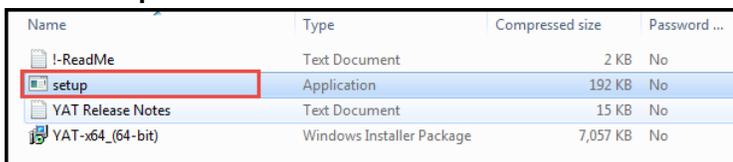
5. Click the appropriate **file** based on your **system configuration** (32 bit / 64 bit) to start downloading.



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



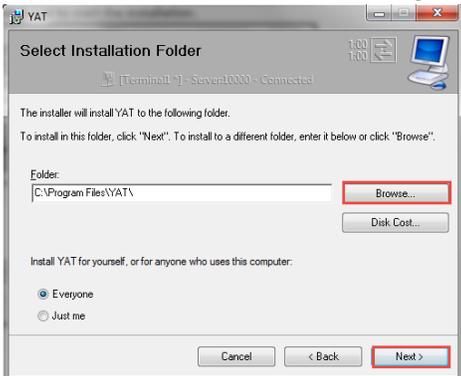
7. Click **setup.exe** to start the installation.



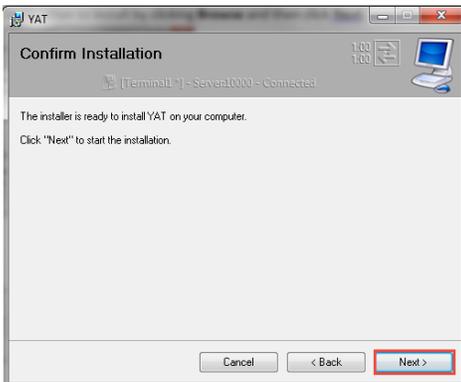
8. Click **Next**.



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

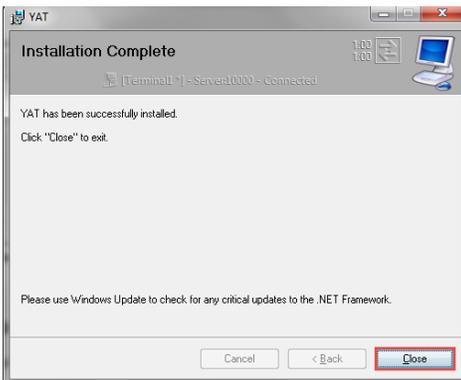


10. Click **Next**.



11. Click **Yes** to the User Account Control.

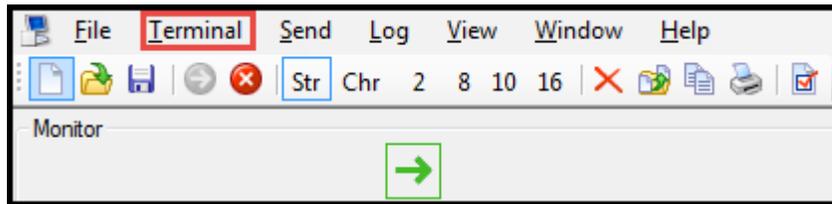
12. Click **Close** once the installation is complete.



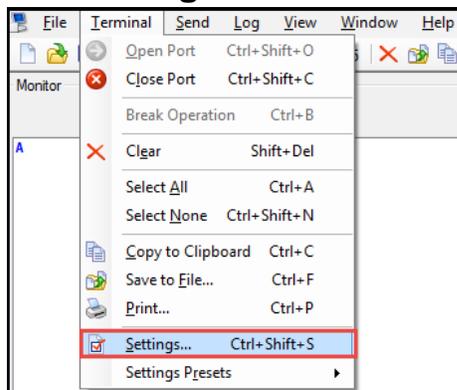
First Time Use

This section talks about the First time setup post installation.

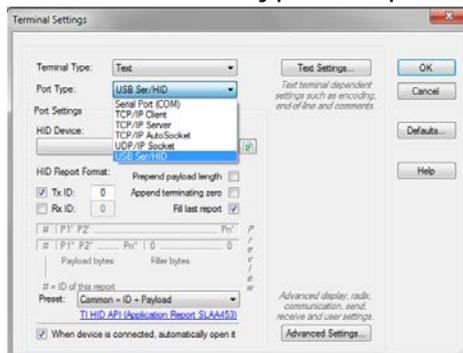
- 1 Open the **YAT** application from Start Menu and close any popups that may appear.
- 2 Connect the “**ChARM PHW**” device to the Computer/Laptop using the USB cable.
- 3 Press the “**OK**” key on the **ChARM** device for it to be recognized.
- 4 Click **Terminal** on the Toolbar.



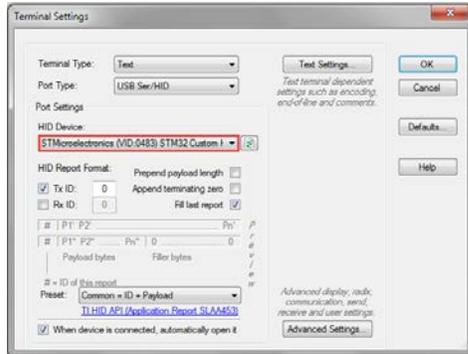
- 5 Click **Settings**.



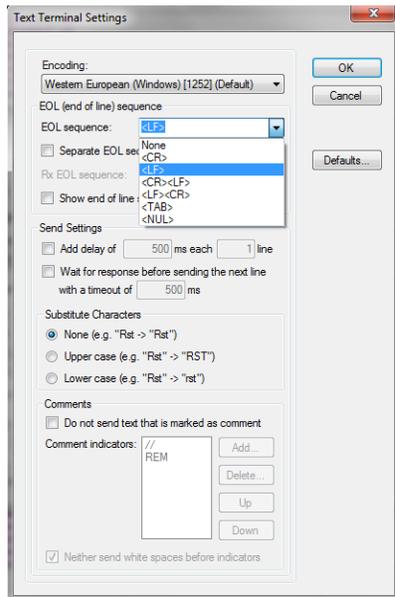
- 6 From the “Port Type” dropdown select **USB ser/HID**.



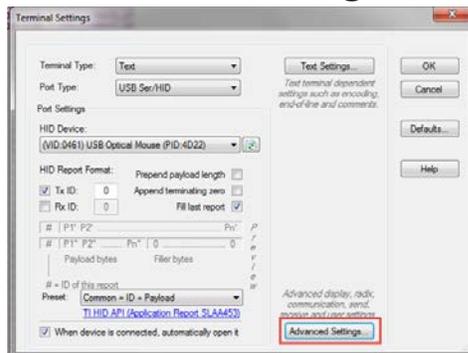
- 7 From the HID Device dropdown select **STMicroelectronics(VID:0483)**.



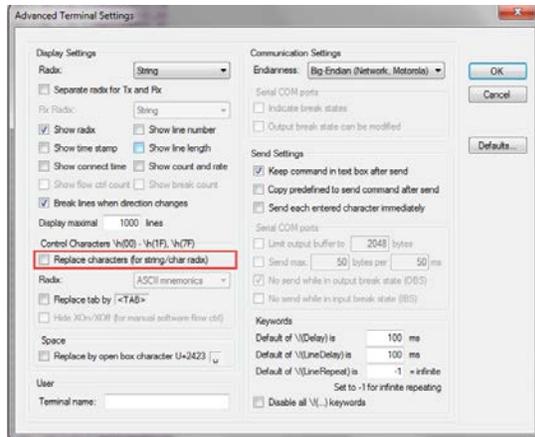
- 8 Click **Text Settings**.
- 9 Select **<LF>** from the EOL Sequence dropdown.



- 10 Click **OK**.
- 11 Click **Advanced Settings**.



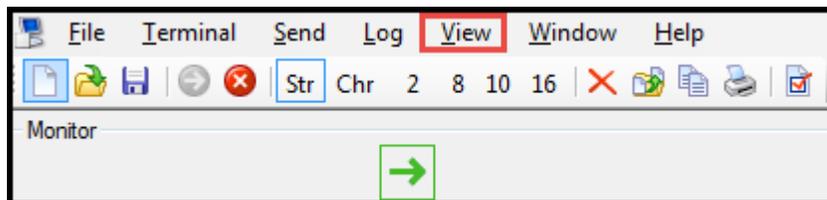
- 12 Uncheck the **Replace Characters (for string/char radix)** box.



13 Click **Ok**.

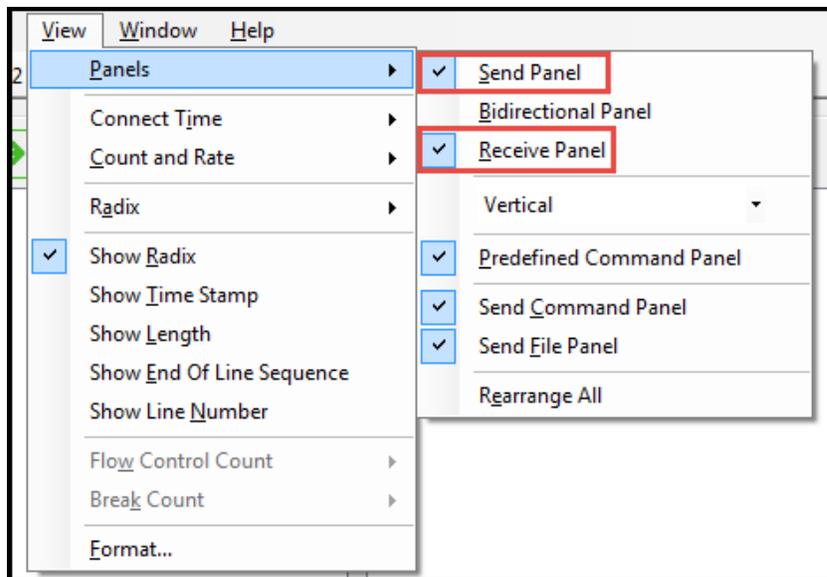
14 Click **Ok**.

15 Click **View** on the Toolbar.

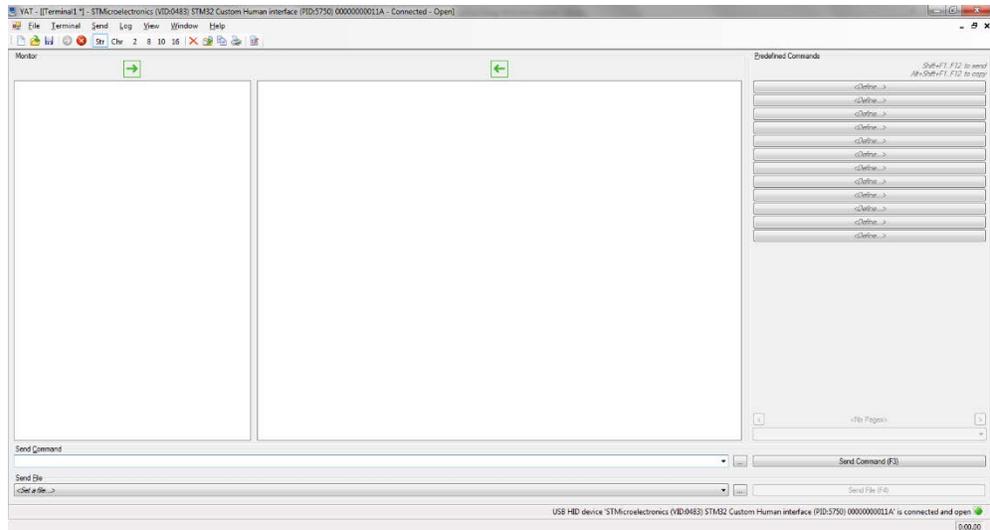


16 Click **Panels**.

17 Place a Tick on **Send Panel** and **Receive Panel**, Uncheck the **Bidirectional Panel**.



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



Data Downloading

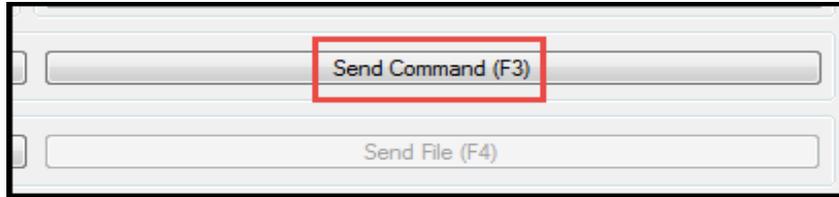
This Section talks about the steps to download the Data onto the Computer/Laptop.

- 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).



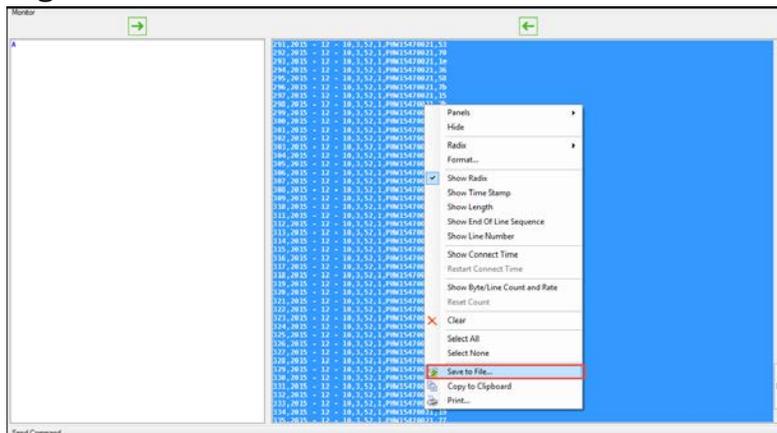
- 5 Under the Send Command Tab Type “**A**” and click send Command. The device starts to transfer the records. Once all the data is successfully transferred, the green LED on the ChARM device shall glow for about three seconds.



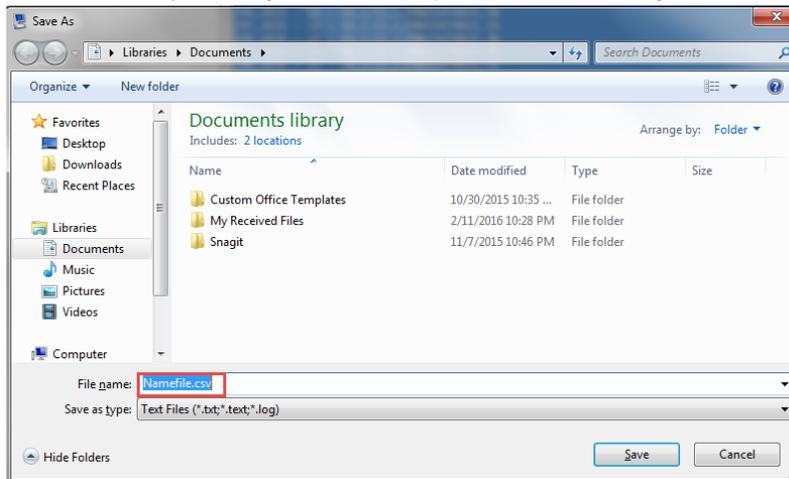


Note: RED LED blinking twice after the steady Green LED is acceptable. The steady Green LED is the only criteria for the successful Data Transfer operation.

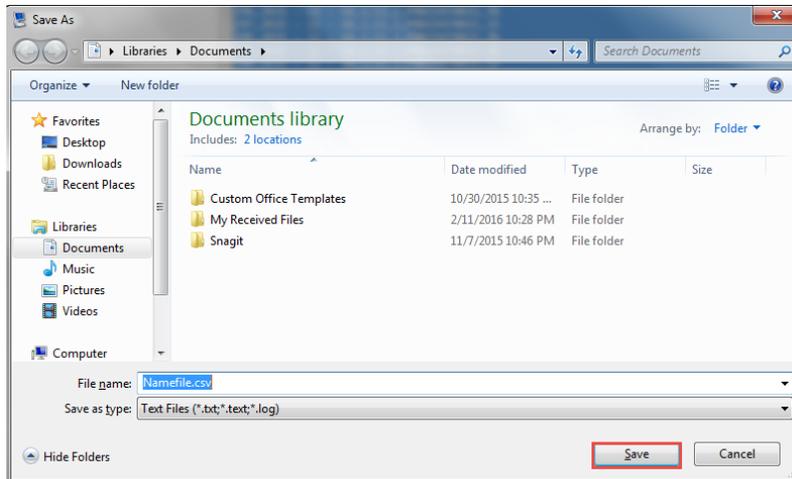
- 6 Once all the Data Appears click anywhere on the Data and press the **ctrl+A** on the keyboard to select all.
- 7 Right click and select **Save to File**.



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



- 9 Click **Save**.



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

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

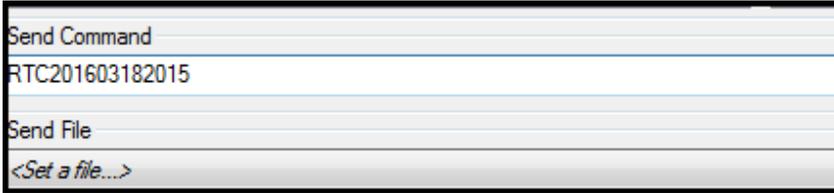
(If the Date of measurement (Column “B”) is “- No Date -”, then follow the instructions listed in the Clock Setting section below)

Clock Setting

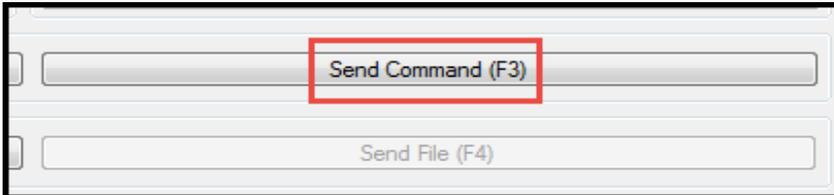
This Section talks about the steps to configure the Real Time Clock (RTC) on the ChARM Device using the YAT application.

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**



3. Click **Send Command**.



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.