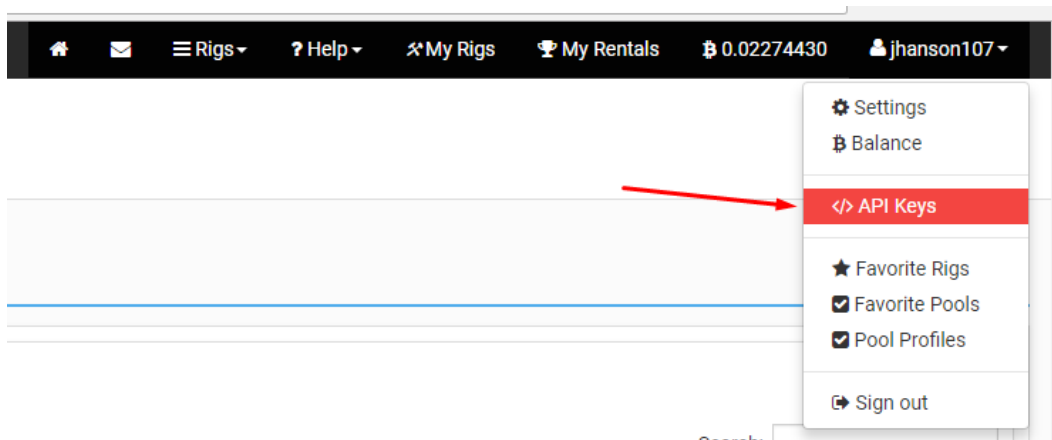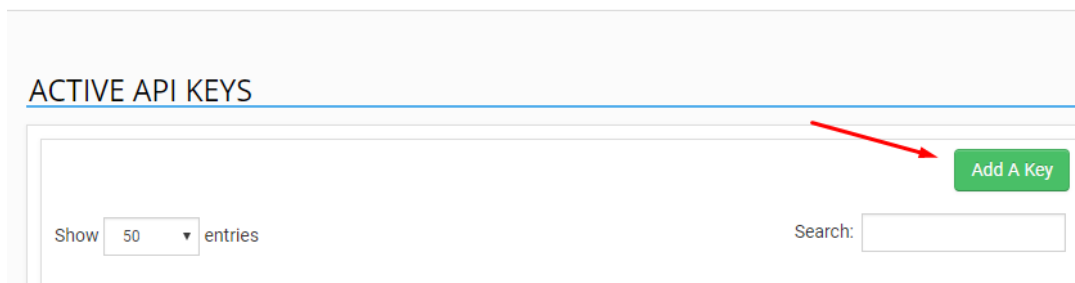# AutoMiner Setup Guide

Step 1:

Download the latest installer from Github.

Step 2 Get API Key:

Create a MiningRigRentals.com account and obtain your MRR API Key and Secret with "Manage Rigs" permissions.

# ⇅	Key		Withdraw ⇅	Rent ⇅	Rigs ⇅	Current Nonce ⇅	Action ⇅
7	Key: 944508cbfb055cead40e68aed6feb5c8b1efed559f60e270adfa0bc3d6fc0020 Secret: 3a942f58ec0ec95a6b26f9fd4b76e0df7053d0ee8d8537371154ac53fb37338a		no	no	yes	0	

Step 3 Update Config:

Update Address (BTC), MRRAPIKey, and MRRAPISecret in your Settings.xml file and save.

```xml
<?xml version="1.0" encoding="utf-8"?>
<Settings>
  <Setting>
    <Interval>300</Interval>
    <GPURefreshInterval>30</GPURefreshInterval>
    <Address>3KChFSUDhX54vbg2ukFekN4TZEPFSuy6Yw</Address>
    <WorkerName>AutoMiner1</WorkerName>
    <SwitchTolerance>0</SwitchTolerance>
    <ZergPoolEnabled>True</ZergPoolEnabled>
    <BlazePoolEnabled>True</BlazePoolEnabled>
    <MRREnabled>True</MRREnabled>
    <ProfitSelection>0</ProfitSelection>
    <StartUpMine>False</StartUpMine>
    <MonitorGPU>True</MonitorGPU>
    <BlazeStartTime>NONE</BlazeStartTime>
    <ZergStartTime>NONE</ZergStartTime>
    <MRRStartTime>NONE</MRRStartTime>
    <ZergStartBalance>0</ZergStartBalance>
    <BlazeStartBalance>0</BlazeStartBalance>
    <MRRStartBalance>0</MRRStartBalance>
    <MRRIncreasePercent>0</MRRIncreasePercent>
    <MRRMinHours>3</MRRMinHours>
    <MRRMaxHours>24</MRRMaxHours>
    <MRRApiKey>944508cbfb055cead40e68aed6feb5c8b1efed559f60e270adfa0bc3d6fc0020</MRRApiKey>
    <MRRApiSecret>3a942f58ec0ec95a6b26f9fd4b76e0df7053d0ee8d8537371154ac53fb37338a</MRRApiSecret>
    <MRRMin>0</MRRMin>
    <DetachedMinerDetection>True</DetachedMinerDetection>
    <MRRManagedPricing>True</MRRManagedPricing>
    <DevFee>x</DevFee>
    <MRRAllAvailable>False</MRRAllAvailable>
  </Setting>
</Settings>
```
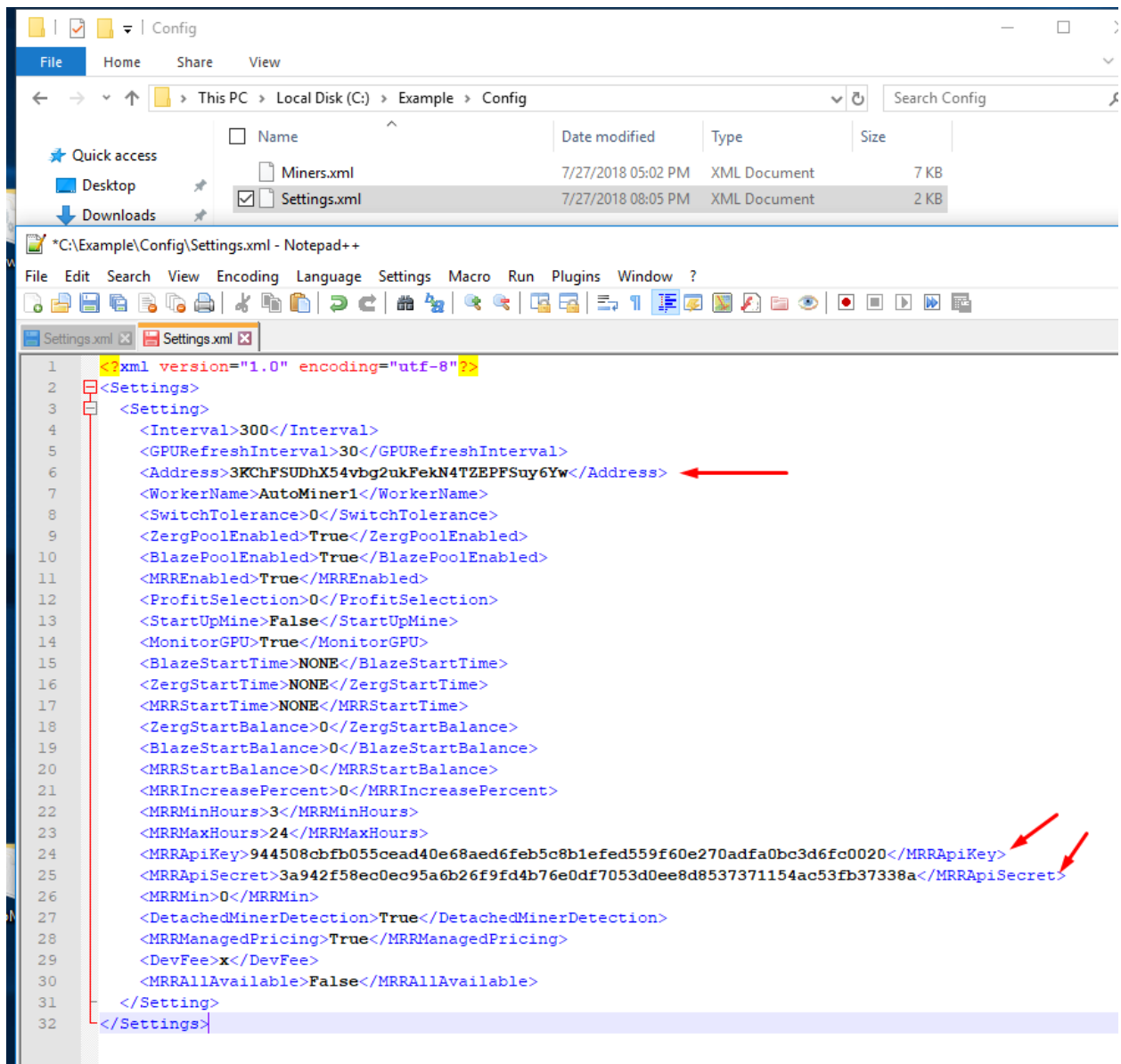
Step 4 Finish Setting Up Your Settings.xml:

Launch WpfAppAutoMiner.exe and head to "Config" tab. Most fields have a tool tip to learn more about what each setting does.

Profit Selections Explanation:

- **Current Estimate** - Algo switching and pricing is based on current estimate. Switch Tolerance % is used with this profit selection and is recommended to prevent excessive switching.
- **Count** - Algo switching is based on the Algo that has the highest miner count. Switch tolerance has no impact on switching and MRR pricing is based on pools current estimate pricing.
- **24h Actual -** Algo switching and pricing based on 24h actual pricing. Switch Tolerance % is used with this profit selection.
- **24h Estimate -** Algo switching and pricing based on 24h estimate pricing. Switch Tolerance % is used with this profit selection.
- **Current Estimate + 24h Accuracy >= 75% -** Algo switching is based on current estimate with an Accuracy >= 75%. Accuracy is calculated by (24h Actual / 24h Estimate) * 100.
- **MRR Demand + Suggested MRR Price -** Algo switching is based on highest MRR Rented count. Pricing is set based on "Suggested MRR Price" which is pulled from MRR API.
- **MRR Demand + Lowest MRR Price -** Algo switching based on highest MRR Rented count. Pricing is set based on "Lowest MRR Price" which is pulled from MRR API.
- **Current Estimate + Lowest MRR Price –** Algo switching is based on current estimate. Pricing is set based on "Lowest MRR Price" which is pulled from MRR API.

How Is Pricing Set?

Depending on the profit selection mentioned above assuming MRR Managed Pricing is enabled. (If disabled pricing will not be adjusted). AutoMiner will take the price + MRR Increase % and only if that number is above MRR Min use that number otherwise use MRR Min value.

Example:

Profit Selection: MRR Demand + Lowest MRR Price

MRR Increase %: 10

MRR Min (BTC/d): 0.003

Pool	Algo Name	Miner Count	Expected (MH/s)	Current Estimate	24h Estimate	24h Actual	Accuracy(%)	MRR Available	MRR Rented	MRR Suggested	MRR Lowest	
ZergPool	neoscrypt	411	23	0.00171327	0.00232070	0.00302105	130.2	41	49	0.00434102	0.00345000	

AutoMiner would choose to mine Neoscrypt and you would be advertised for 0.00345 * 1.1 (10% increase) = 0.003795 BTC/d or 0.003795 / 23 (Hash Rate) = 0.000165 Price/MH/Day. If the number calculated was below you MRR Min 0.003 BTC/d your price would be set to 0.003 / 23 (Hash) = 0.00013 Price/MH/Day. The MRR Min protects you from having your rig rented for too cheap.

Step 5 Configuring your Miners:

Configure AutoMiner with your favorite miners and Algos accordingly. Then press benchmark or manually input your hash rate.

Note: *ConnectionString* is a keyword that the software automatically replaces with correct pool connection string when not using MRR. **Example**: If the software decides to mine Lyra2v2 on ZergPool ConnectionString is replace by lyra2v2.mine.zergpool.com:4533 when starting the miner.

Note: The benchmarking will only work if the miner's API is bound to port 4068. In the case where the software doesn't not receive a valid hash rate response you must manually input your hash rate.

Step 6 Creating your miners on the MRR website:

Select your MRR preferred pool. Then press "Create Rigs (MRR)" button. This will create your rigs on the MMR website if the MRRId = 0 and associate the MRRId to the software. PLEASE WAIT FOR A PROCESS COMPLETE MESSAGE. The software needs this information to properly update your rigs on the MRR website. When the process is complete do not forget to Save Config.
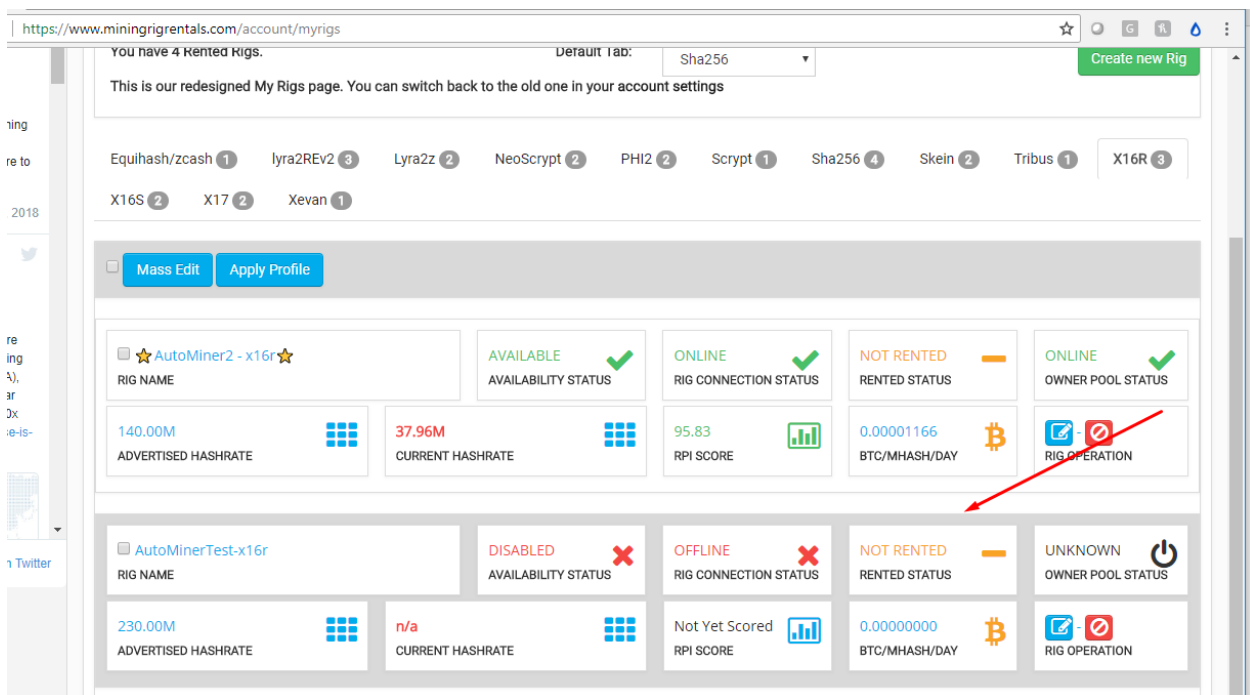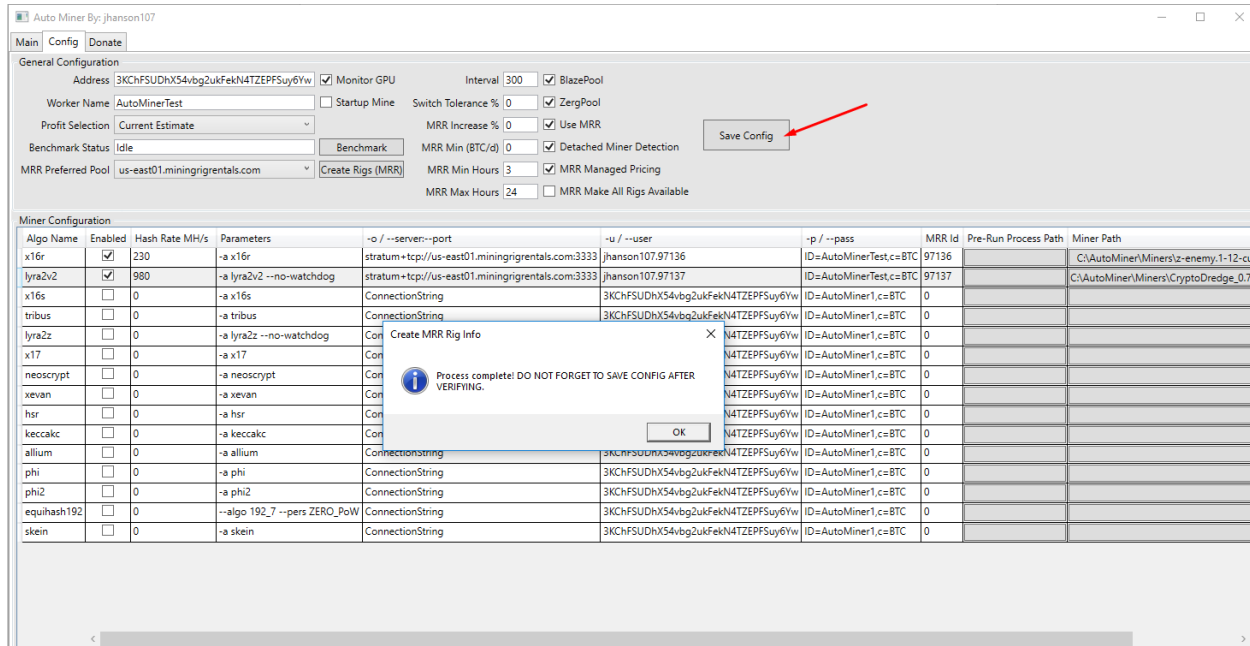
Step 7 Start Mining:

AutoMiner is now configured. Head to "Main Tab" and press "Start".

Auto Miner By: jhanson107

Main | Config | Donate

General

Stop	Start Time 7/27/2018 10:23:37 PM	GPU Refresh 00:00:25	Failure Count 0
Refresh	Next Refresh 00:04:55	Last Refresh 07/27/2018 22:24	
	Current Algo lyra2v2	Algo Duration 00:00:16	
Clear Log	MRR Status Available	BTC/d 0.00000000	Reset

Pool	Start Balance	Current Balance	BTC/d
BlazePool	0.00282208	0.00282208	0.00000000
ZergPool	0.00066047	0.00066047	0.00000000
MRR	0.03020360	0.03020360	0.00000000

Pool Stats

Pool	Algo Name	Miner Count	Expected (MH/s)	Current Estimate	24h Estimate	24h Actual	Accuracy(%)	MRR Available	MRR Rented	MRR Suggested	MRR Lowest
BlazePool	lyra2v2	363	980	0.00270480	0.00301423	0.00253060	84.0	57	18	0.00464520	0.00399840
ZergPool	lyra2v2	72	980	0.00270480	0.00261660	0.00248920	95.1	57	18	0.00464520	0.00399840
ZergPool	x16r	238	230	0.00216430	0.00214590	0.00158930	74.1	87	32	0.00310960	0.00271170
BlazePool	x16r	63	230	0.00214590	0.00209367	0.00021232	10.1	87	32	0.00310960	0.00271170

Miner Stats

Pool	Miner	Password	Algo	Difficulty	Accepted (MH/s)	Rejected (MH/s)
BlazePool	CryptoDredge/0.7.0	ID=AutoMiner1,c:	lyra2v2	128	0.00	0.00

Log

[7/27/2018 10:23:37 PM] Welcome to Auto Miner V1.0 Release

[7/27/2018 10:23:45 PM] Starting mining...

[7/27/2018 10:23:47 PM] Mining lyra2v2 on BlazePool BTC/d Current Estimate is 0.00270480.
[7/27/2018 10:23:48 PM] MRR port updated to 50639.
[7/27/2018 10:23:48 PM] Miner started using: -a lyra2v2 --no-watchdog -o stratum+tcp://us-east01.miningrigrentals.com:50639 -p ID=AutoMiner1,c=BTC -u jhanson107.97137
[7/27/2018 10:23:48 PM] Setting Rig Id: 97137 Algo: lyra2v2 BTC/MH/d Price: 0.00000276 BTC/d Price: 0.00270480 enabled on MRR.
[7/27/2018 10:23:48 PM] Setting MRR Pool 0 to BlazePool.
[7/27/2018 10:23:50 PM] Setting MRR Pool 1 to ZergPool.

GPU Id	Usage (%)	Temp (°C)	Fan (%)
0	99	66	80
1	99	61	76
2	99	55	72
3	99	64	78
4	100	60	75
5	99	55	71
6	96	56	72
7	85	49	63
8	95	61	75