

ReneSola Micro Replus Gateway Software Update Instructions

The Micro-Replus Gateway (MRG display unit) on your ReneSola micro inverter system displays the power output from the individual solar panels in your array solar through power line communications protocol to the micro inverters that are entered into the MRG. The gateway can connect to the internet to relay solar performance data back to our new online portal found here: http://renesola.nepviewer.com/py_manager/login.php

You can set up your system on this portal by registering and requesting a password (contact us for any assistance).

Newer software versions of the gateway have an 'Engineer Mode' which enable an individual level of micro-inverter monitoring on the gateway and help ensure that the units are compatible with or new web portal.

You will need:

- 1. A computer with a functioning internet connection
- 2. A Blank USB Stick
- 3. This document
- 4. A Zip file extraction tool such as WinZip, we use the free PeaZip application
- 5. A basic understanding of how to use computers, download files into USB sticks etc.

Please note: Updating the software does not cause loss of micro-inverter configuration details, performance data and network settings, However we strongly recommend having photos or written documentation of the existing micro inverter serial numbers in the gateway, network settings etc. in case of information loss. You can find (and edit) the micro-inverter serial numbers in the COM ID tab of the settings menu in your Gateway unit. Tap on the summary display page (screen) and then on setting in the top right hand corner - scroll across by tapping the right hand facing triangle and tap on the 'Com ID' tab to get to this section.

Step 1: Checking the software version on your gateway

- i. Tap on the summary display page (screen) and then on setting in the top right hand corner:
- ii. Scroll across by tapping the right hand facing triangle and tap on the 'Version & SN & Mac' tab
- iii. The software version should be 20150321-21 or 20150314-22. If this is the case jump to step 4 (or go to step 3 to get 20150321-21 software which is the latest version).
- iv. If your unit does not have 2015 prefixed software go to step 2. For Gateways with older but 2015 prefixed software eg. 20150205-22 please jump to step 3 to update to the latest software version 20150321-21







Step 2: Accessing files and preparing a USB device with bridging software

Older (pre 2015) software will need to have bridging software installed into the gateway as an interim measure for this software update

i. Download the files from this link and UnZip into a folder on your computer:

https://www.dropbox.com/sh/4m3j28j70eq54yj/AAB2dxmx5pX4kKkQuArWZWRWa?dl=0

- ii. Copy and paste the **contents only** of the unzipped folder into a **blank** USB stick
- iii. Example view of file explorer into USB (only two cfg files present not inside any folders or sub folders):

 Collection and the second		
Type File		
gateway.cfg		
 Typic CFG File		

iv. **Safely eject** the USB stick from your computer and insert into in the USB plug of your gateway– restart the gateway by cycling the power or pushing the reset button as shown.



v. Wait for the unit to get to a point where it says 'update successfully'





Step 3: Accessing files and preparing a USB device with the new software version

i. Download the files from this link and UnZip into a folder on your computer:

https://www.dropbox.com/sh/mwkp1cwf1jhg03v/AACYqRAajO-jF8GVNujDNP4Ba?dl=0

- ii. Copy and paste the **contents only** of the unzipped folder into a **blank** USB (delete the existing bridging software files from your USB stick to do this):
- iii. There are about 30 files, all have extension of .img except for one file gateway.cfg example view of file explorer into USB:

and they first Million and	tion (on dash toose	New Coates	mart frants	240	And and store of
	And and a state of the state of	-		-	-
1					
these the second se	Secondaria.	Text.	24		
il en les est	11 days in the station.	Income the			
and and another	visite services	The second file	21.48		
of the law	Visite 10 Linear	The local file	10.00		
and the second second	The same the ball states	The locate file	1.00		
A second se	This of Lating	10100			
10.000	The later of the same	Danisland Pro-	1.00		
li anno 199	The select of the line line	they wanted by	high		
il anno 194	Distance of party and	day want has	101.45		
il anno 10	Thinks of this last	the second law	21.45		
in and the second second	Thinks Talket and	day ways his	1.1		
11 million barry	20.00.010.00000	Sector Sector	1.10		
if and and	the balance has not as particular	Discourse Bay	144		
in the state of th	The Avenue of Control of	Doc recept the	112		
1.000	The law and some state	Discourse free			
	a bank a bank men	Station and and			
in the second second	1. http://www.article.com				
2		the second second	111		
12 has been	Directory of the second	The second second	and and and		
10 mg m g	and the second second	the contract of			
(i) and (inter-	12124-12140-00	The sector of	1.00		
20 March 10	The seafly of the state	The budde on			
10 94 1000	10 mail: 11 112 mail	Tar Lords and	1.66		
10 10 10	11046-1112-Au	The people are	198		
1.00	Distant Charles and	Decisedado este			
in meaning of a	10-14-14-041-044	Date Solution	1.00		
12 meters	18 May 19 11 (0.4)	And the second second	1.00		
1 march	7198e M.322/998	Dec mapping	1.00		
10 Mart 10	10" When 17, 3, 10, 100	Day range like	1.00		
il tempine	7.3 index 14 122 (00)	The rough file	10.49		
10 teahlput	10 0 m 14,120,950	The Paugh Ma	1.89		
(i) teahlorCottous	21.040-04.020.040	The Propi Pha	146		
StrakgaRitert	31.0+-9.18.94	The Propi Ale	1.86		
 Statient at i 	7.2. Jugs 76 (4.0.) Perc	The Assessment Price	1.00		
if and paddy	13 994-14 133 498	That it is an and the	1.00		
10 math	The local state and the second	The barries like	100.00		

- iv. Safely eject the USB stick from your computer and insert into in the USB plug of your gateway restart the gateway by cycling the power or pushing the reset button as shown previously.
- v. Wait for the unit to get to a point where it says 'update successfully' and the summary page has loaded.
- vi. After Gateway has started up you can remove the USB stick (and delete your downloads if you wish).

Step 4:

- i. Tap on the summary display page (gateway screen) and then on setting in the top right hand corner
- ii. The second tab (next to installer) should now say System Config (or Engineer Mode on the slightly older version)
- iii. Select the tab and tap the box to select 'Engineer Mode' password is 1234 and then ok.
- iv. In the summary display page there should now be an 'Instant Output' button. Selecting this allows you to view your individual micro-inverter IDs outputs etc.

Any questions, issues or feedback please let us know.

Thank you.

Rana Mitra Technical Support Engineer ReneSola Australia Pty Ltd

