



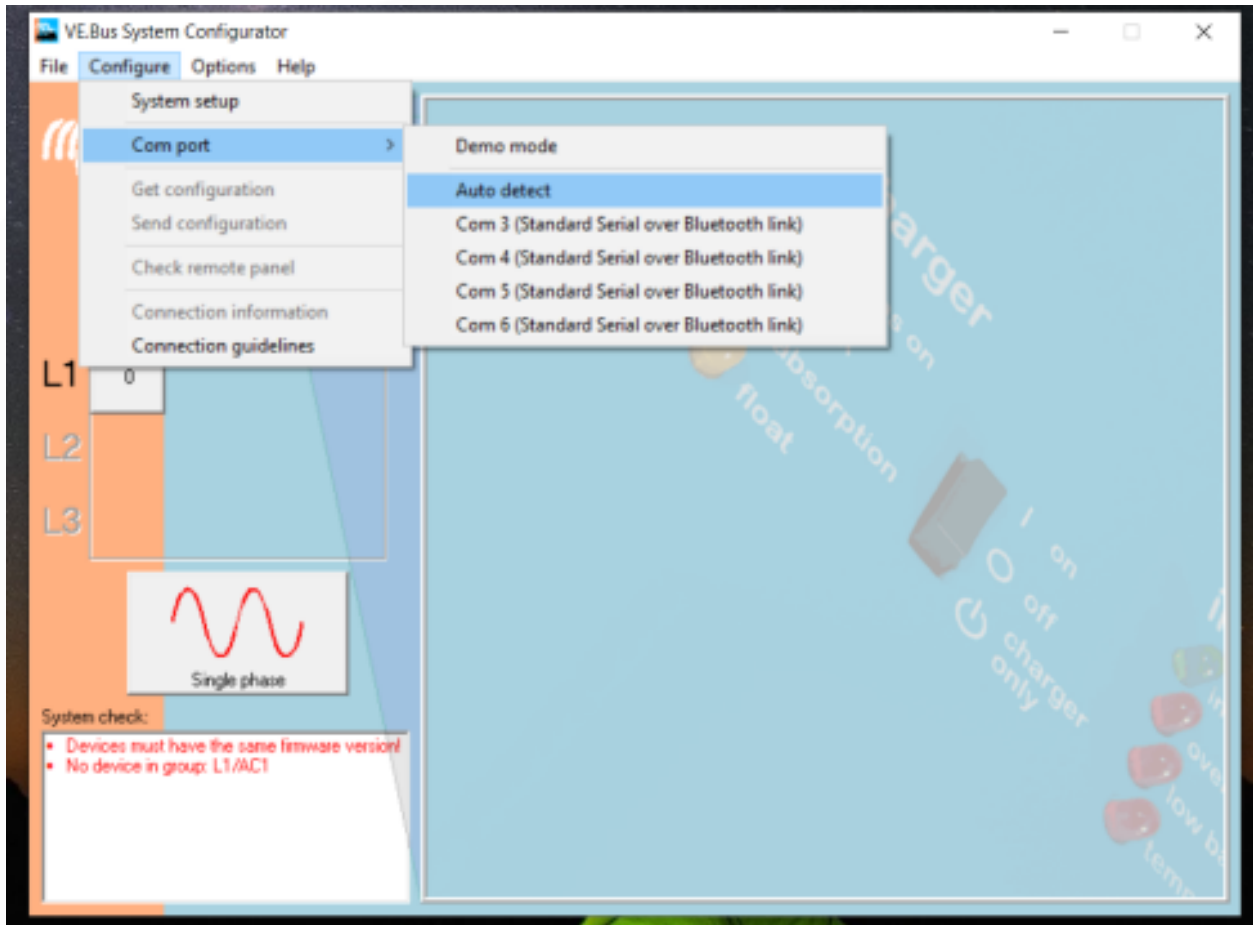
## Configuring Multiple Inverter/Chargers in 120V/240V Split Phase

All units in one system must be the same type and firmware version, this includes the same size, system voltage, and feature set. The type is indicated by the first four digits of the firmware version number.

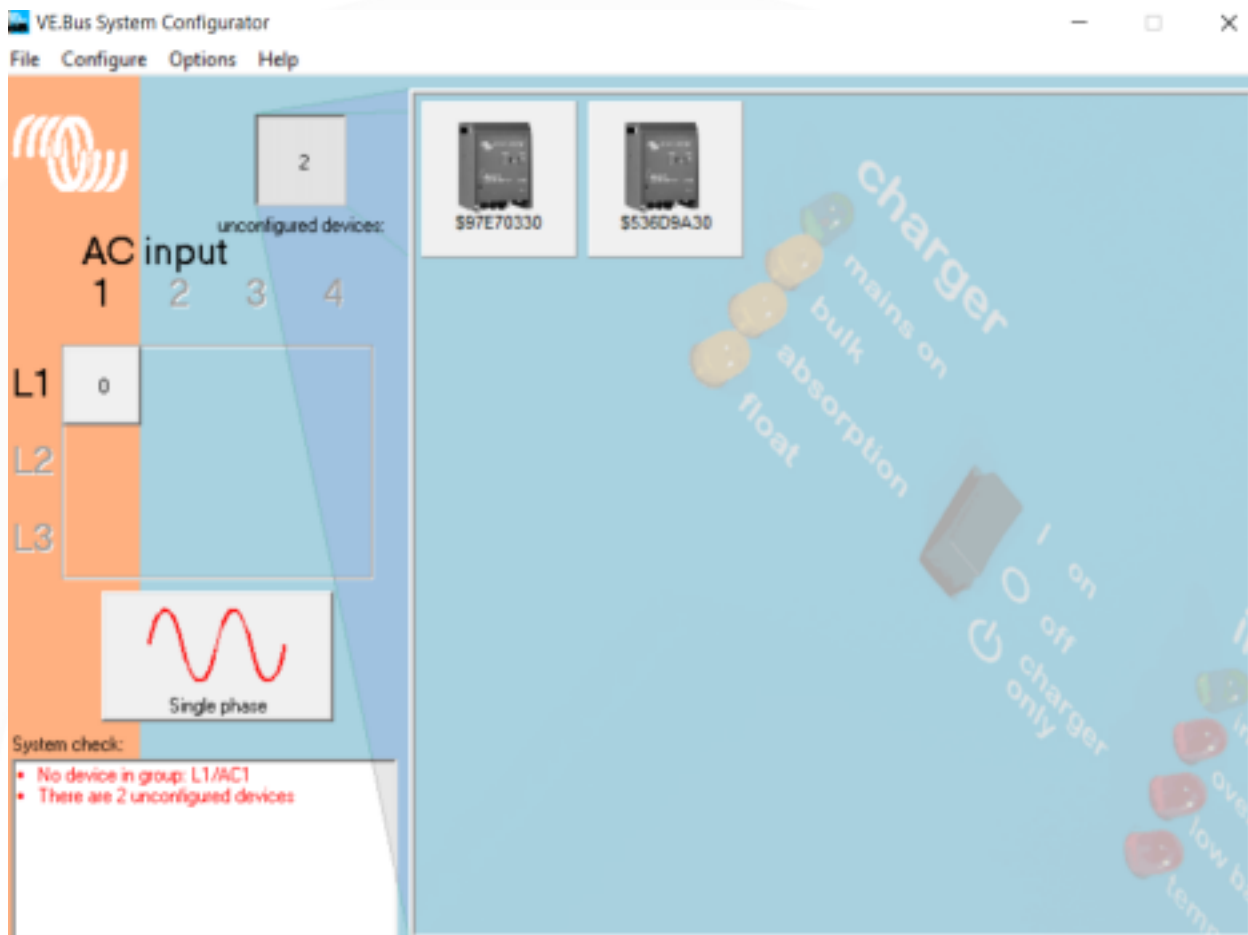
### Using VE. Bus System Configurator

Note: You will need a PC (or PC emulator if using a Mac).

1. Verify the same type across each inverter/charger in the system
2. Update to latest firmware on each inverter/charger individually
3. Connect inverter/chargers with each other using a manufactured RJ45 cable and the VE. Bus port.
4. Ensure there are no other accessories connected to the inverter/chargers (including Digital Multi Control, Cerbo GX, VE. Bus Smart Dongle, VE. Bus BMS)
5. Turn on all inverter/charger units simultaneously, or in close succession
6. Connect MK3-USB adapter with VE. Bus port from one Inverter/Charger (select any) to your computer
7. Download VE. Configuration Tools [here.](#)
8. Run through VE. Configuration Tools setup with defaults selected. Open VE. Configuration Tools folder and select VE. Bus System Configurator.
9. Once program is open, navigate to Configure > Com Port > Auto Detect

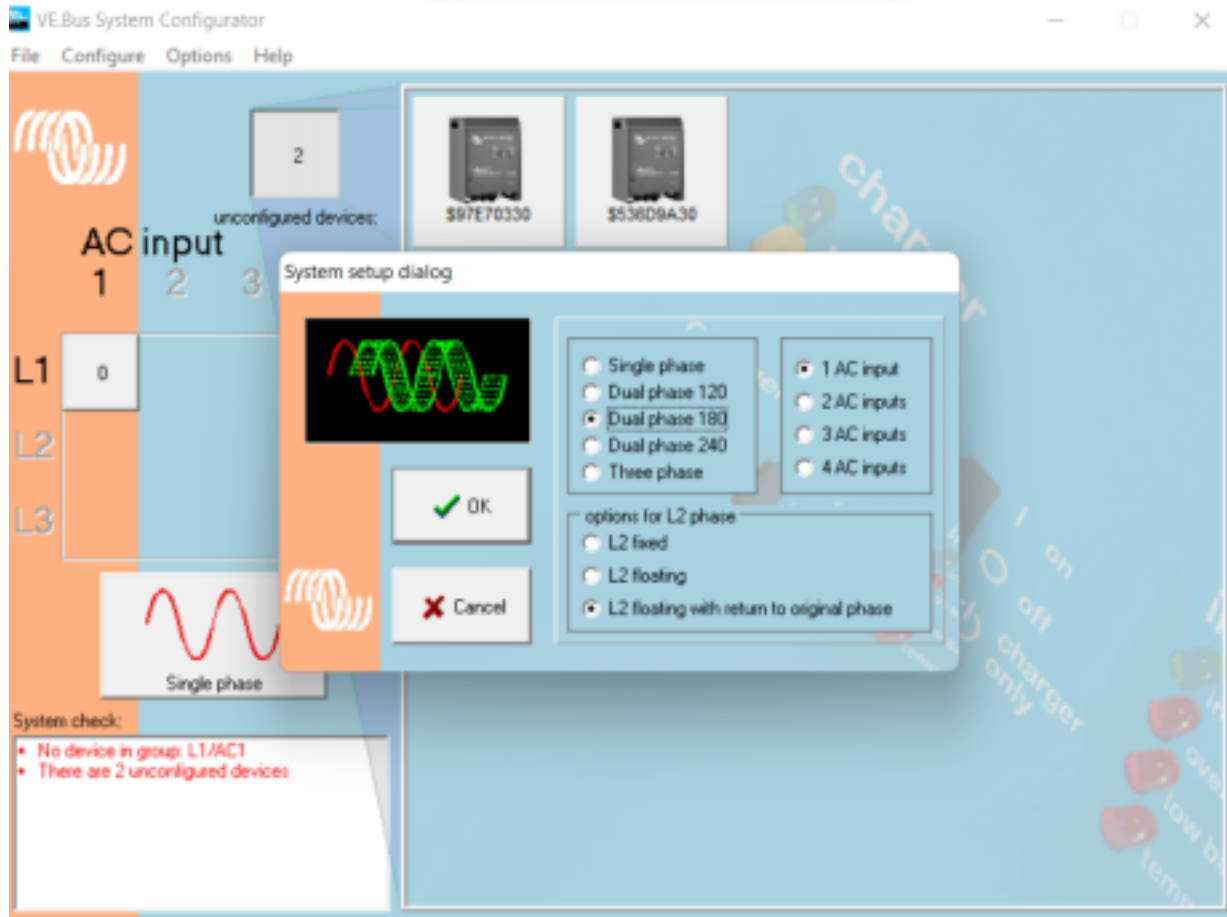


10. Run Auto Detect, and you should see the Inverter/Chargers populate in the main screen



### For 120V/240V Split Phase Configuration

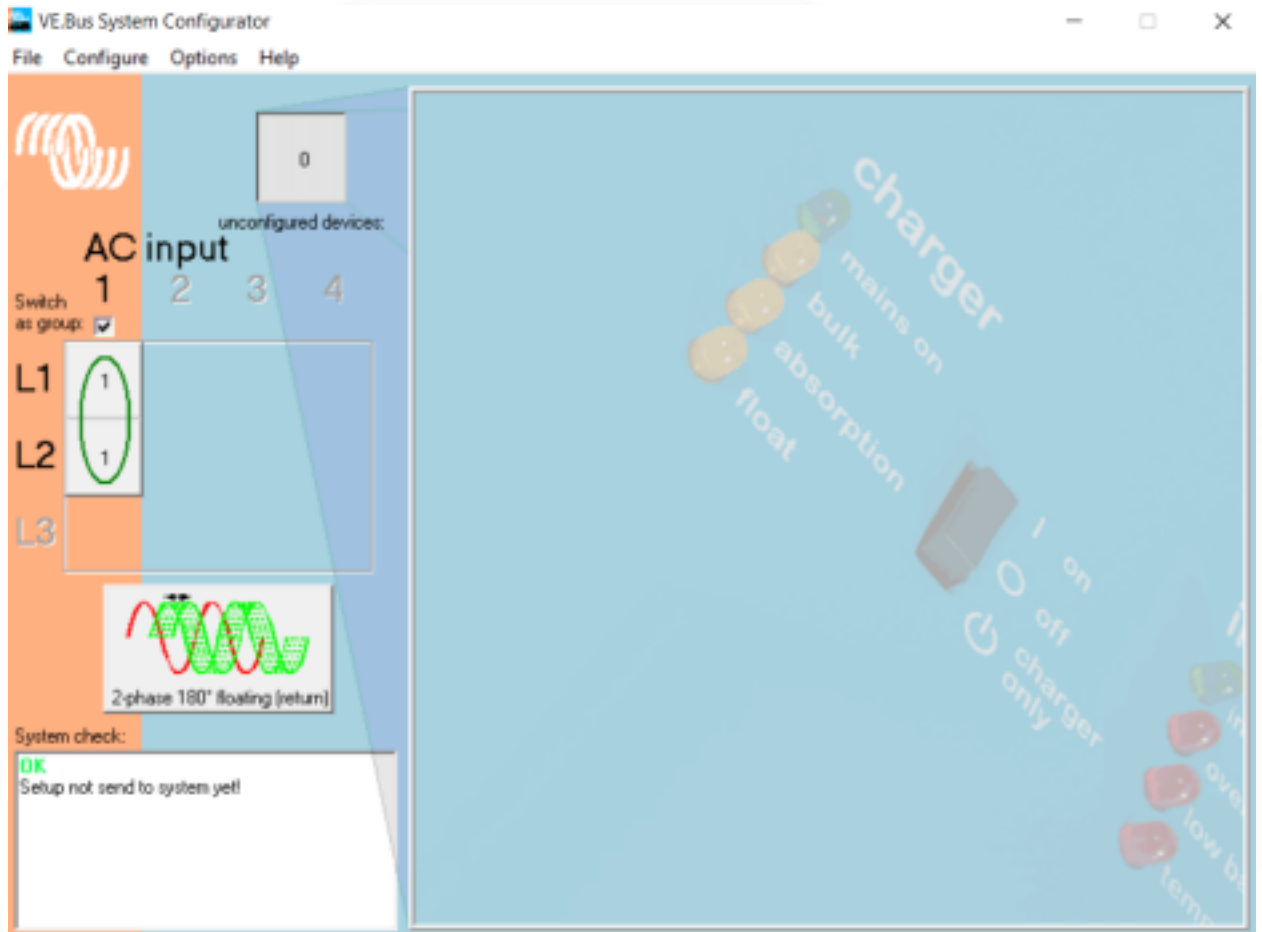
1. Select the box that says “Single Phase” by default, and change the following settings:



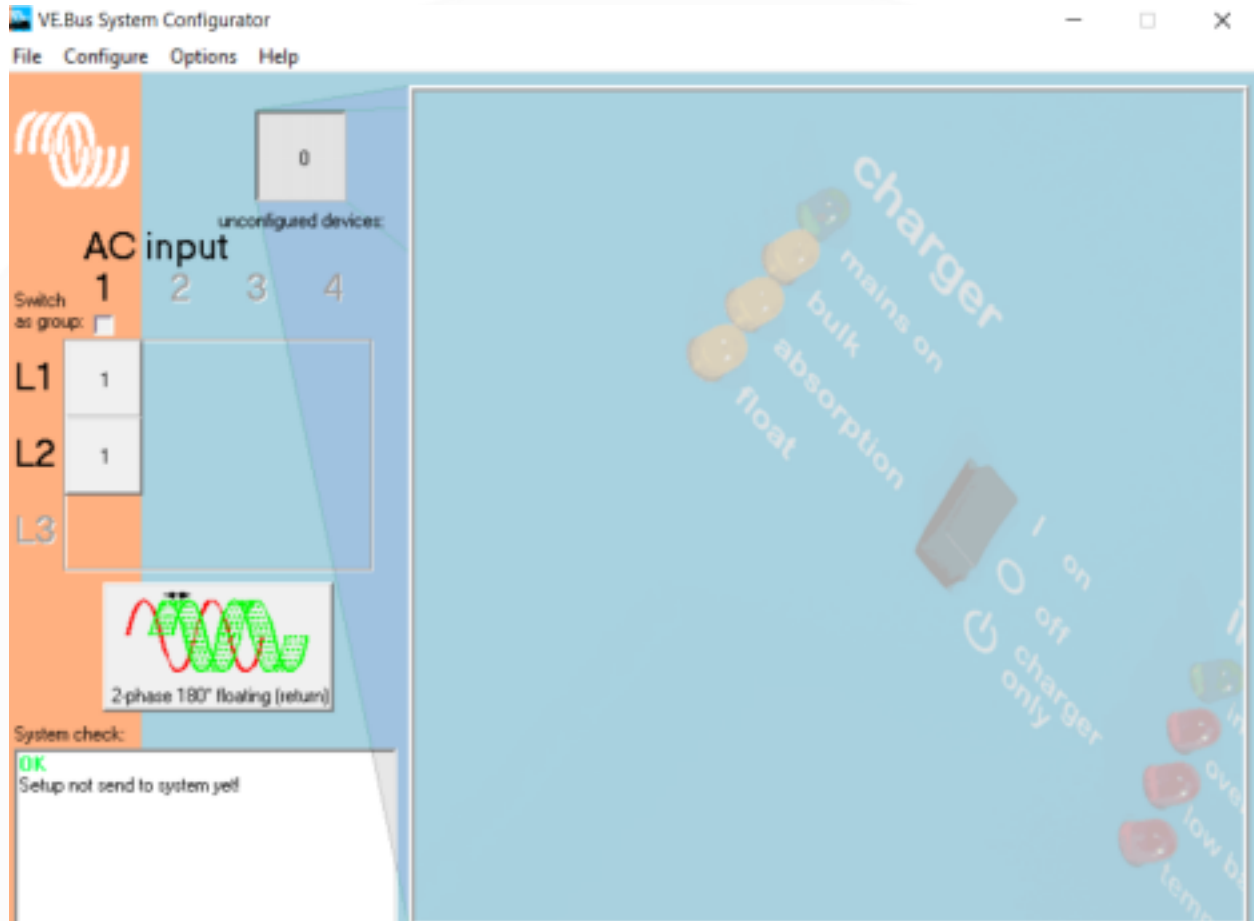
*Note: It's important to select **"L2 floating with return to original phase"**, as this will allow AC input to accept a larger voltage range. For example, instead of using 120v/240v service, many RV parks will utilize (2) phases of a 3 phase electrical service. If this is the case, and **"L2 floating with return to original phase"** is not selected, this will result in L2 pass through being unavailable.*

*The **"return to original phase"** aspect of this setting will ensure that, once shore power has been disconnected, the MultiPlus configuration will return to 120V/240V split phase.*

2. Drag and drop the Primary Inverter/Charger icon into the gray box directly to the right of **"L1"**
3. Drag and drop the Follower Inverter/Charger icon into the gray box directly to the right of **"L2"**



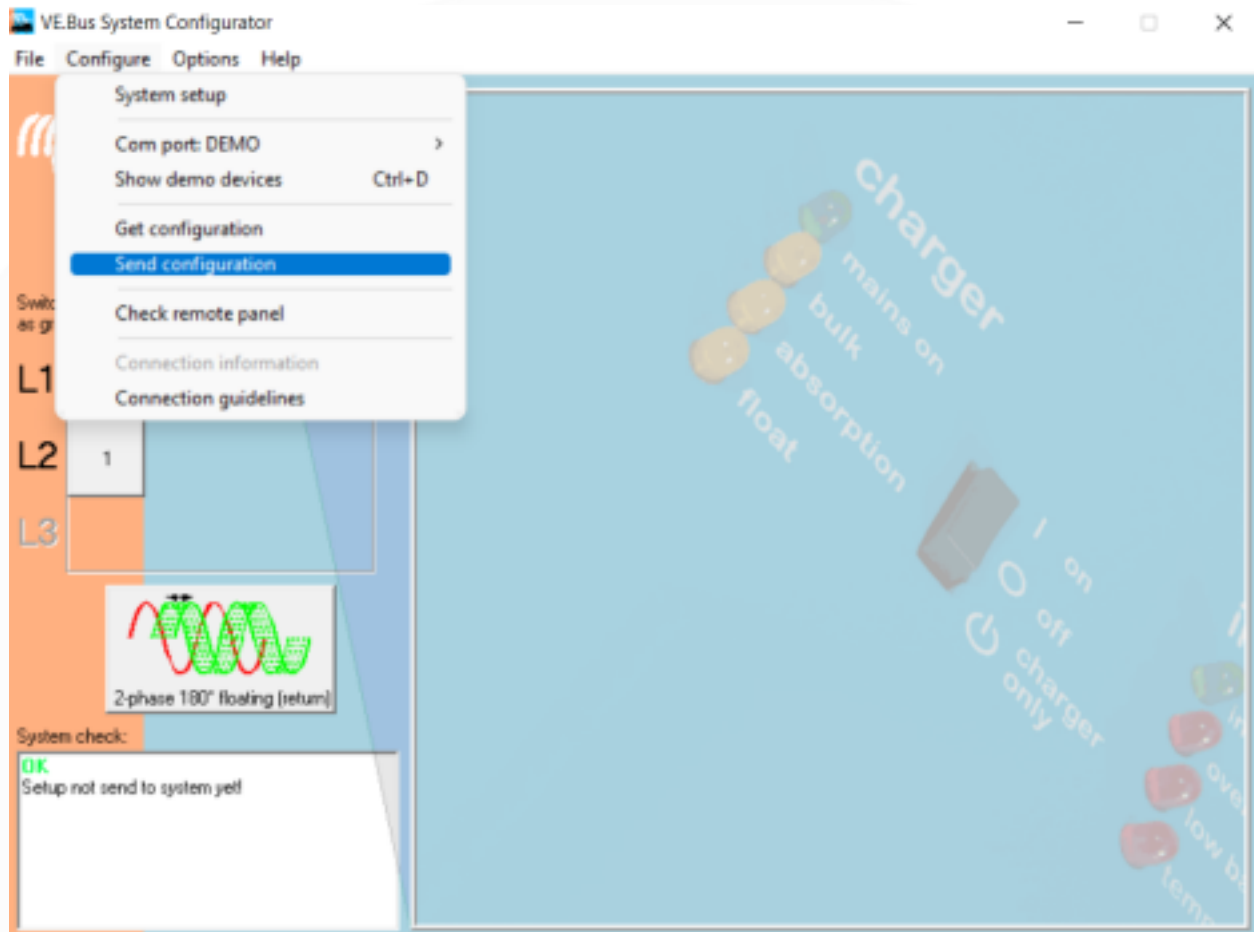
4. Deselect "Switch as group"



*Note: By deselecting “**Switch as group**”, we allow the inverter/chargers to operate individually as needed. For example, if “**Switch as group**” remained selected, and we tried to utilize a single phase service, the inverter/chargers would not allow pass through, as they must operate in unison for all passthrough functionality.*

*For this reason, we deselect “**Switch as group**”, which allows a 120V/240V split phase configured system to allow single phase pass through on (1) inverter/charger, while the other continues to function as an inverter.*

11. Navigate to Configure > Send Configuration



Congratulations! The Inverter/Chargers are now configured in 120V/240V split phase.  
*Note: Before your system is fully operational, you'll still need to program these units. Right click each Inverter/Charger and select "VE. Configure" to proceed with programming.*