



ECS/Nexus .COM
Upgrade Package

Other packages available with upgrades

Additional keypad upgrades available
(contact your local bazooka dealer today!)

Nexus 2 Keypad Kit 70-3010



Package contains

BVR module & thumb drive

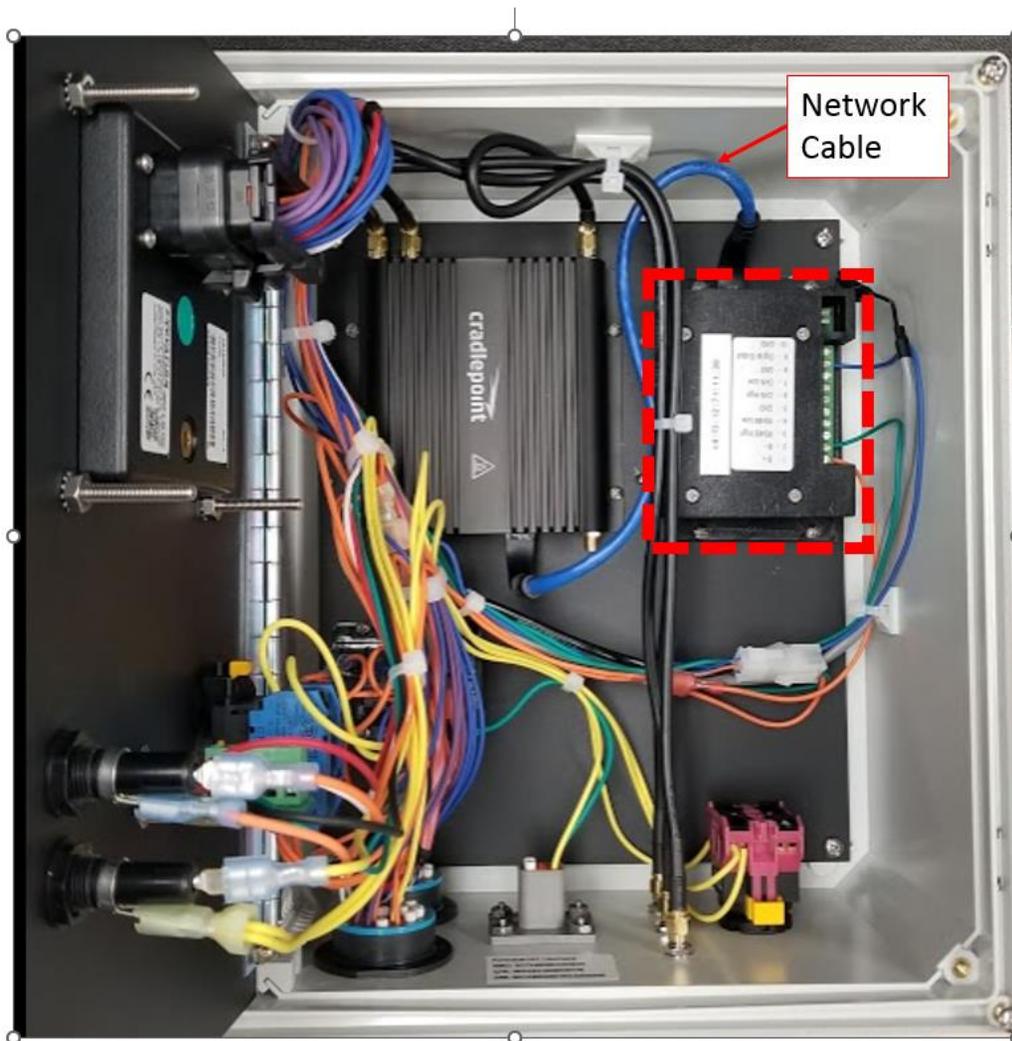


Nexus 2 BVR
module & USB
thumb drive 70-
3019 & 70-1708

Spreadsheet with
important parameters to
record

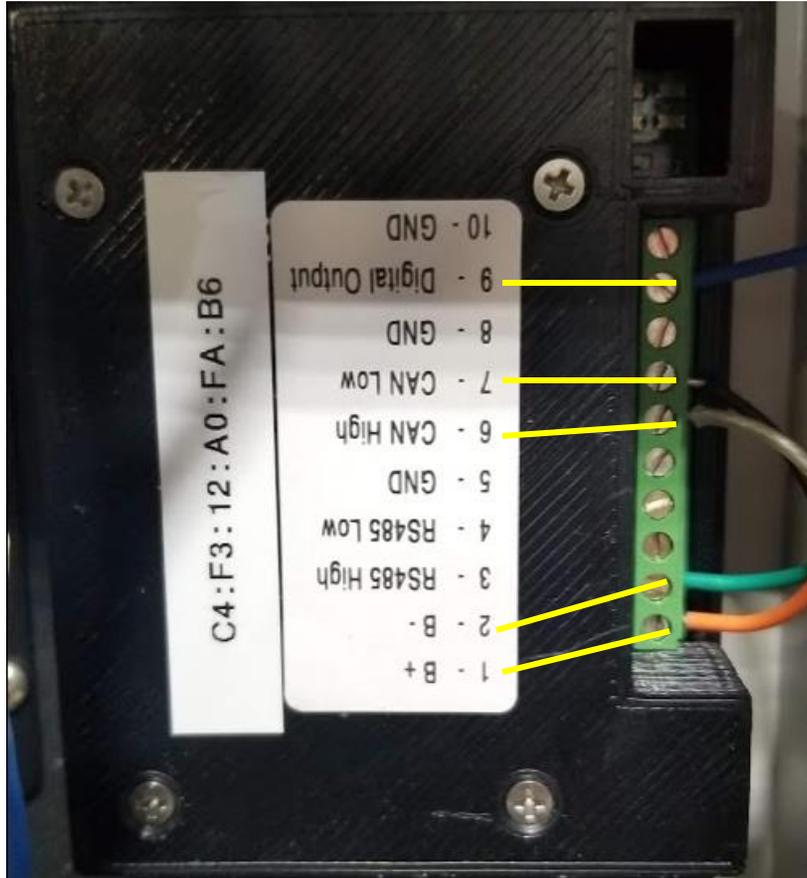
Pin Number	Numbers	Option Name	Factory Value	Range
3000	M 001	Auto Adjustment		
3000	M 001	10000 Address Chrm		0-255
3000	M 001	E11 Source Address	0	0-255
3000	M 001	Control Unit Address	0	0-255
3000	M 005	Interval Engine Repair	0.000	0-10000
3000	M 006	Engine Compensation	On	
3000	M 007	Factory Reset		
3000	M 008	TSC1 Throttle Origination	FW465	
3000	M 009	TSC1 Checksum	On	
3000	M 010	Display Filter on Tank Level		
3482	I-001	Valve 1 Open Delay	8 SEC	0-3600
3482	I-002	Valve 1 Close Delay	8 SEC	0-3600
3482	I-003	Valve 2 Open Delay	8 SEC	0-3600
3482	I-004	Valve 2 Close Delay	8 SEC	0-3600
3482	I-005	Valve 3 Open Delay	8 SEC	0-3600
3482	I-006	Valve 3 Close Delay	8 SEC	0-3600
3482	I-007	Valve 4 Open Delay	8 SEC	0-3600
3482	I-008	Valve 4 Close Delay	8 SEC	0-3600
3482	I-009	Valve 5 Open Delay	8 SEC	0-3600
3482	I-010	Valve 5 Close Delay	8 SEC	0-3600
3482	I-011	Valve 3 Name	Inlet	
3482	I-012	Valve 2 Name	Inlet	
3482	I-013	Valve 3 Name	Inlet	
3482	I-014	Valve 4 Name	Inlet	
3482	I-015	Valve 5 Name	Inlet	
3482	I-016	Ai 01 R1	0 Ohms	0-10000
3482	I-017	Ai 01 R2	0 Ohms	0-10000
3482	I-018	Ai 01 R3	0 Ohms	0-10000
3482	I-019	Ai 01 R4	0 Ohms	0-10000
3482	I-020	Ai 01 R5	0 Ohms	0-10000
3482	I-021	Ai 01 R6	0 Ohms	0-10000
3482	I-022	Ai 01 R7	0 Ohms	0-10000
3482	I-023	Ai 01 R8	0 Ohms	0-10000
3482	I-024	Ai 01 R9	0 Ohms	0-10000
3482	I-025	Ai 01 R10	0 Ohms	0-10000
3482	I-026	Ai 01 V1	0	0-10000
3482	I-027	Ai 01 V2	0	0-10000
3482	I-028	Ai 01 V3	0	0-10000
3482	I-029	Ai 01 V4	0	0-10000
3482	I-030	Ai 01 V5	0	0-10000
3482	I-031	Ai 01 V6	0	0-10000
3482	I-032	Ai 01 V7	0	0-10000
3482	I-033	Ai 01 V8	0	0-10000
3482	I-034	Ai 01 V9	0	0-10000
3482	I-035	Ai 01 V10	0	0-10000
3482	I-036	Ai 02 R1	0 Ohms	0-10000
3482	I-037	Ai 02 R2	0 Ohms	0-10000
3482	I-038	Ai 02 R3	0 Ohms	0-10000
3482	I-039	Ai 02 R4	0 Ohms	0-10000
3482	I-040	Ai 02 R5	0 Ohms	0-10000
3482	I-041	Ai 02 R6	0 Ohms	0-10000
3482	I-042	Ai 02 R7	0 Ohms	0-10000
3482	I-043	Ai 02 R8	0 Ohms	0-10000

Step 1 – Replace BVR module



- The black box outlined in red will need to be replaced
- Remove 4 screws holding it onto the rear panel
- Disconnect blue network cable on top of black box
- Remove 5 wires from right side of black box.

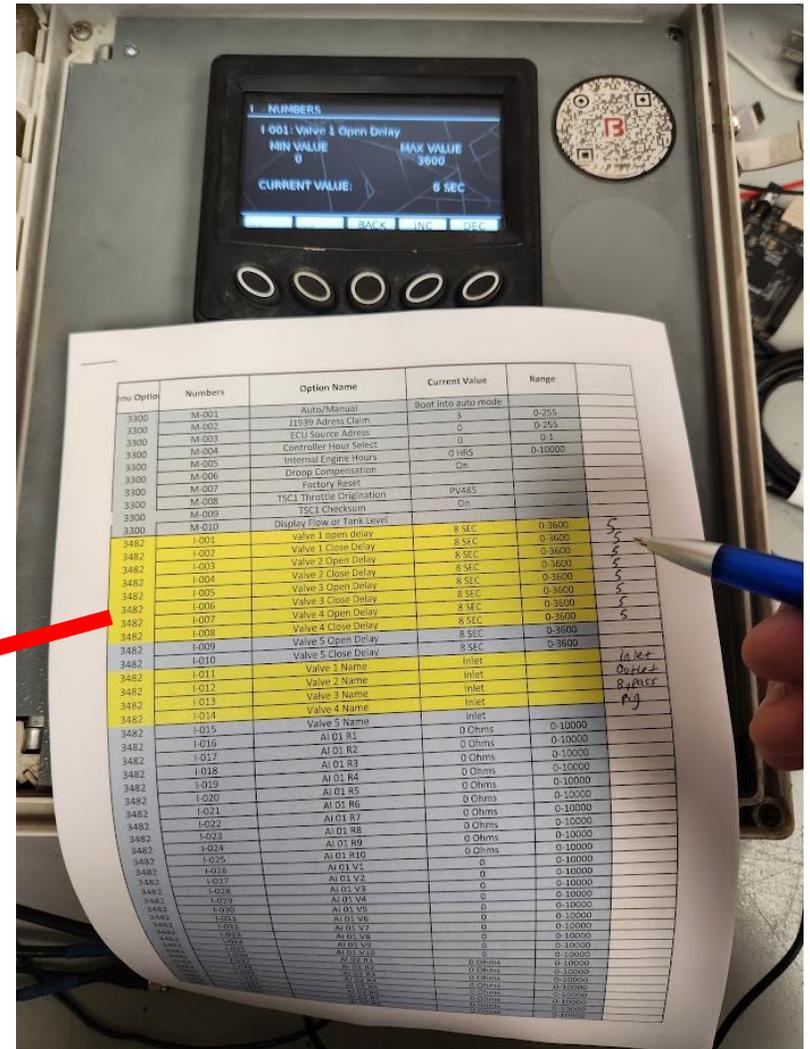
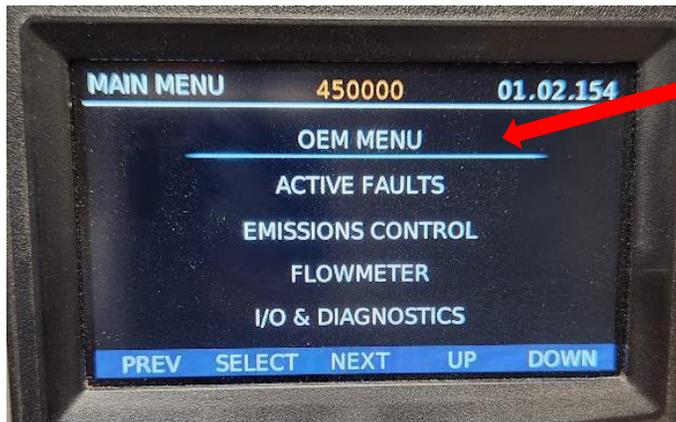
Step 1 continued – Replace BVR module



- Replace the five wires to the following ports:
 - Blue wire-Digital Output (9)
 - Black wire-CAN LOW (7)
 - Clear wire-CAN HIGH (6)
 - Green wire-B- (2)
 - Orange wire-B+ (1)
- Connect blue network cable to top of box
- Attach replaced black box to panel using the four screws

Step 2 – Record values off panel

- With the sheet provided, write down all the parameters highlighted in yellow for all the 5 menu options within the Nexus panel
 - OEM menu
 - Passcodes
 - 6100 (engine settings)
 - 6400 (inputs/outputs)
 - 3300 (Nexus settings)
 - 3482 (valve settings)
 - 7445 (pressure mode)



Step 3 – Update panel using thumb drive

Make sure all parameters are recorded first!
This upload will erase all old settings

- Place USB thumb drive in designated spot-on panel
- Hold the center button down before turning on panel as shown on the left
- Continue holding center button down when power is applied to panel
- Booting may take up to 20 seconds
- You can let up on center button once you get to the screen shown on the right
- press the button on the far right to commence update

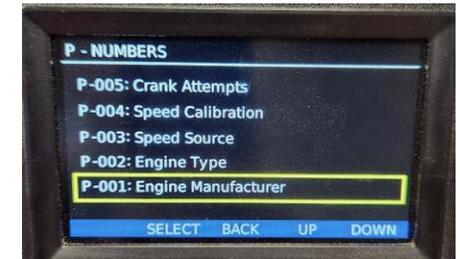


Step 4 – Set parameters back to original settings



- Go to OEM menu and set parameters back to original
- Use included record sheet to help re-enter data for each OEM menu option
- You should receive a pairing code like shown above in yellow, after the panel connects to the dashboard

- Engine settings



- Select engine manufacture first from list
- Back out of the menu twice
- Power cycle panel with key switch



- Nexus settings



- Inputs/outputs



- Valve settings

Step 5 – pair unit to account

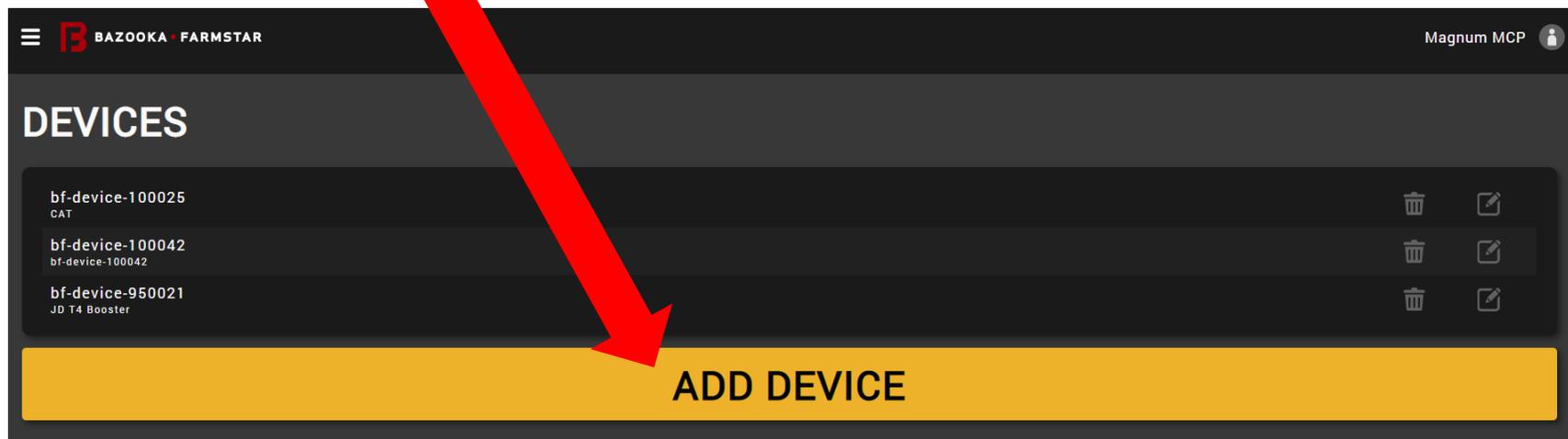
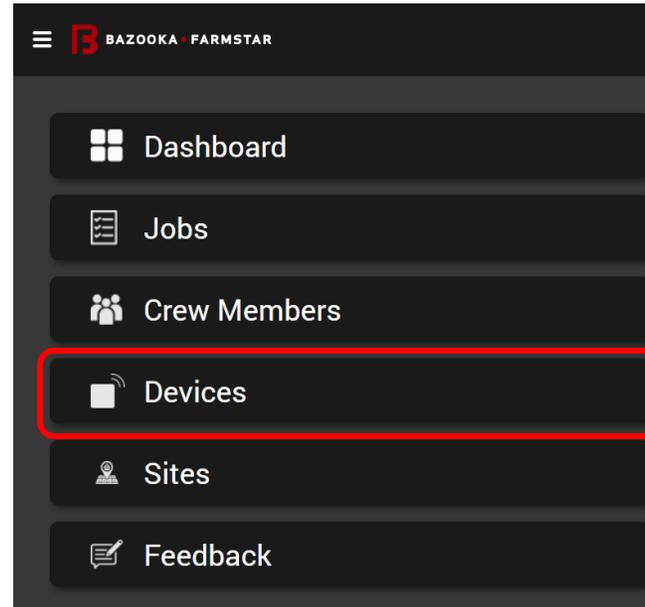
The pairing code this panel receives, should show up at the top of the MAIN MENU on the panel. Write down this number!

Go to <http://www.farmstar-ecs.com>

Enter credentials

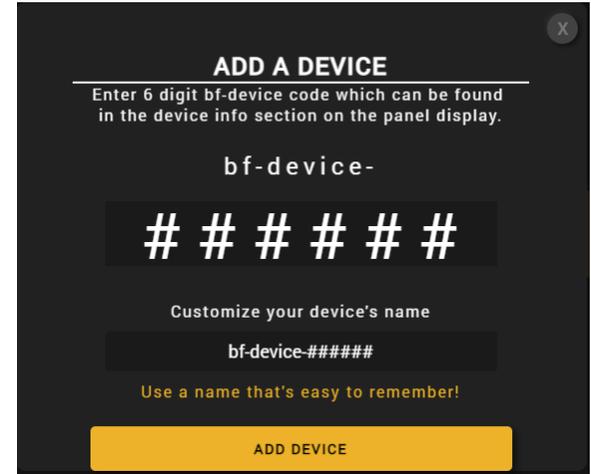
Look for & click on the devices tab

Then click on "Add a device"



Step 5 – pair unit to account continued

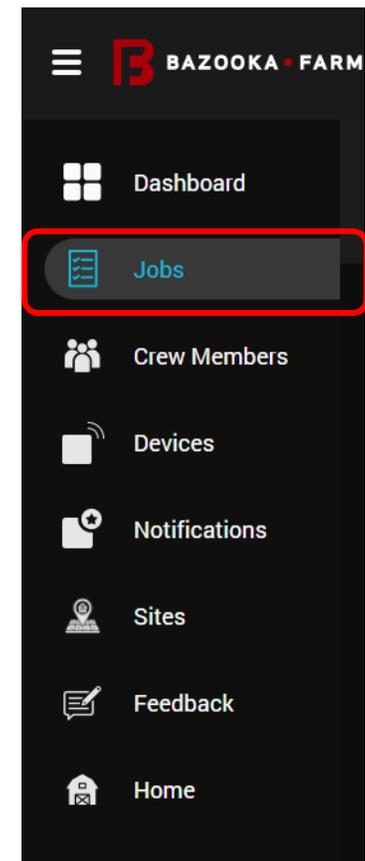
Insert 6 digit pairing code from Nexus controller into this screen and click "ADD DEVICE"



Once unit has been paired the panel will be added to your account and within your list of controllers to choose from

Create a job with your newly paired unit

Click on "Jobs"



Step 6 – Create Jobs

Pick the newly paired unit with the appropriate crew member and then choose a name for this view.

Jobs can be set up on a per site, view, or operator basis

Select your job, then click on "view Job dashboard" to see unit/s online

ADD A JOB

Fill Out The Information Below To Set Up A New Job

Job Name

CHOOSE DEVICES	CHOOSE CREW
<input type="checkbox"/> CAT	<input type="checkbox"/> Magnum MCP
<input checked="" type="checkbox"/> bf-device-100042	
<input type="checkbox"/> JD T4 Booster	

* A Name Highlighted Yellow Indicates a Crew Leader

Set this as the default job

CREATE JOB

CANCEL

BAZOOKA FARMSTAR

JOBS

- SPRING 23
- SPRING
- FALL 23
- 10-4
- QAZ** ★
- ALL PUMPS

★ **DEFAULT**

DEVICES	CREW MEMBERS
bf-device-100042	Magnum MCP
JD T4 Booster	

VIEW JOB DASHBOARD

ADD JOB

Step 7 – Test unit online

Confirm the set-up is accurate & working correctly by running through some options to test your update.

Start/stop & throttle the engine

Test valves open/closed & timing of them

Test lights & and other labeled outputs

Test clutch (if applicable)

Pit depth, flow meter, pressure sensor, & any other extras are in working order



Your pairing code on the BVR box you replaced should match & show up on your panel main menu screen & the device name header for the engine card online



Important!!!

Please send replaced BVR, FLASH DRIVE, & RMA paperwork back to
800 E 7th St, Washington, IA 52353



Save the record sheet for your reference as it will have all the
important engine/unit parameters written down