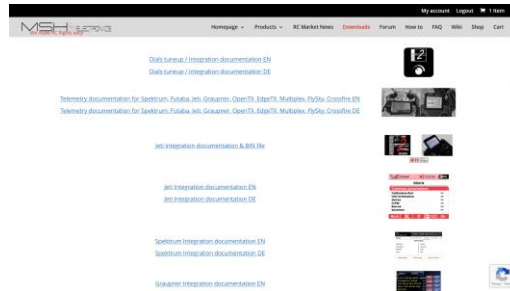


README for Brain2/iKon2 JETI INTEGRATION with BRAIN.bin file (version 2.1 2023 July 24):

You can use the Integration together the telemetry sent by Brain2/iKon2 (included that of telemetric ESC or a thermal sensor) with every kind of EX Bus Receiver, otherwise if you want to use the Jeti Integration with also other sensor than that yet emulated by Brain2/iKon2, is necessary to use a REX receiver;

- 1) In the Windows software, under "Help" click on "Download Latest Jeti Integration" or from "<https://www.msh-electronics.com/downloads>" download the BRAIN.ZIP file for Jeti and unzip it, it contains this README file and a BRAIN.bin file;



- 2) Connect your Jeti transmitter to a PC via USB cable and power it and respond YES to the request "USB?".

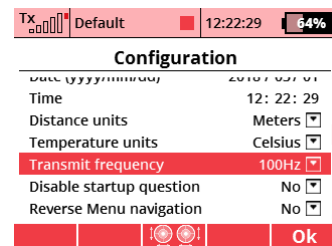
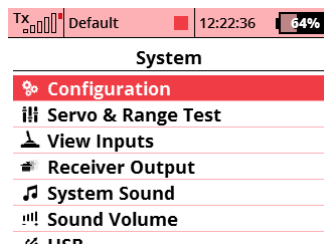


Connect USB?

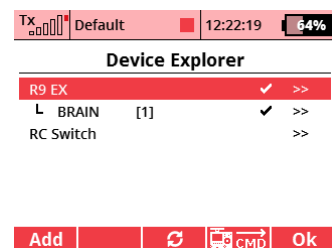
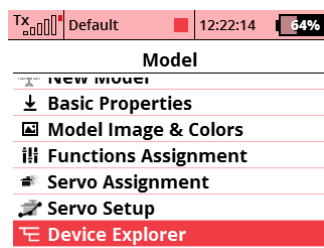
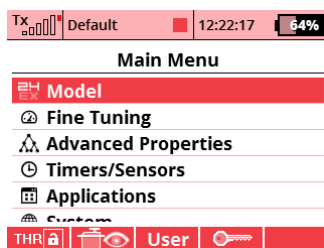


After some seconds, a window with the internal memory of Jeti transmitter open on your PC. Copy the "BRAIN.bin" file in to the "Devices" folder of your Jeti transmitter and after this close the Window and push the "Esc" button in your transmitter;

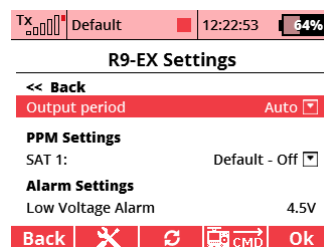
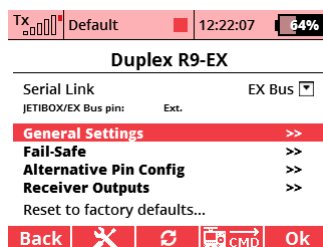
- 3) Power your receiver and bind it with the bind plug to the transmitter. Remove bind plug and let the receiver powered;
- 4) Go with the Jeti menu to "System" -> "Configuration" -> "Transmit frequency" and set to 100Hz (framerate = 10mSec.);



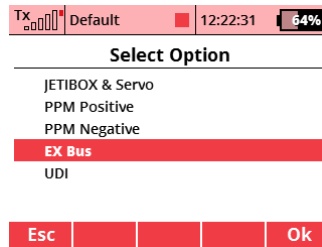
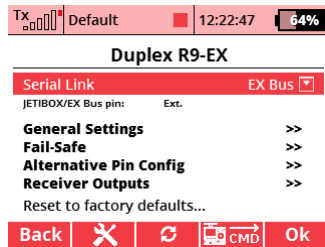
- 5) Go with the Jeti menu to "Model" -> "Device Explorer", select your receiver and:



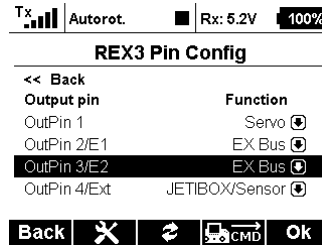
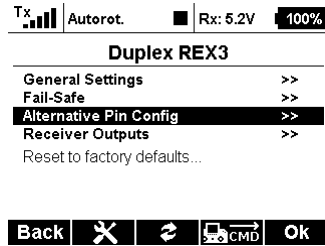
- 5-a) Set "Output period" = AUTO;



5-b1) With "R.." receivers, select "Serial Link", to "EX Bus";



5-b2) With "REX.." receiver select "Alternative Pin Config" -> E1, E2, E.., to "EX bus";



6) Connect your Brain2/iKon2 unit via USB cable to your PC, open the Windows application, update Brain2/iKon2 software and firmware to the last version;

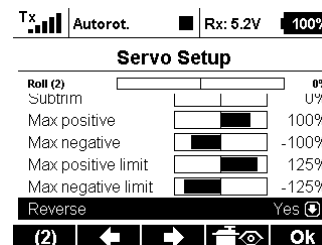
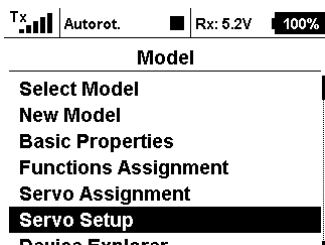
7) With Windows application, on the panel "Receiver Selection" of the wizard, select the "EX Bus" receiver type icon;



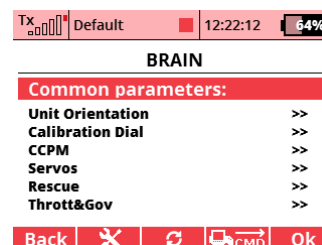
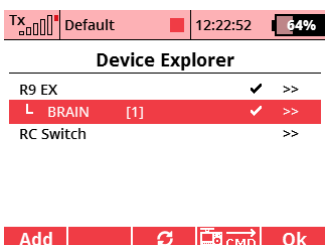
8) As schematic in successive panel "Connections", connect a standard 3pole female/female cable to the CH3/S-REC connector of the Brain2/iKon2 and the other end in the port "EXT" of your "R.." receiver or in one of the port E1, E2, E.. (not the EXT) of your Rex receiver (yet binded to the transmitter);

9) To activate the EX Bus protocol, you must cycle power of the unit removing also the USB cable (for safety reason, don't power your motor that must be disconnected). Power the unit from connectors to power also the Jeti receiver;

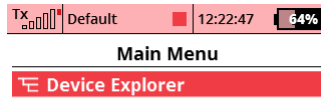
10) Verify in panel 5 "Transmitter setup" of the Wizard the correct direction of each channel as explained in the lateral instructions of the app and eventually correct in the transmitter reversing the channel in menu -> "Model" – "Servo Setup" -> "Reverse".



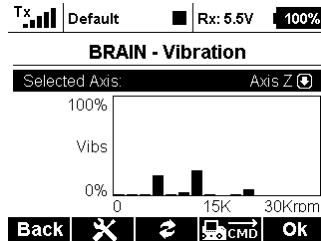
Now you are ready to use Jeti->Brain2/iKon2 Integration entering with your transmitter into Brain menu from menu -> Model -> Device Explorer.



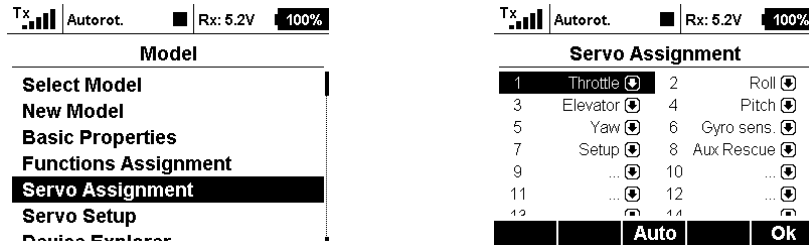
(In your transmitter, you can set "Device Explorer" as first item in the "User" menu to have a faster access to it).



Note1: In addition to the value of the model's "Global Vibrations" received from the Brain2/iKon2 controllers, which can be recorded in the Jeti transmitter logs, it is also possible to view a vibration graph that allows you to tell whether the major vibrations are generated by the main rotor, tail rotor, or motor. By activating the "print screen" function, the displayed image can be saved as a file in the transmitter SD when the associated switch is activated for later viewing or downloading and analyzing.



Note2: When you select "EX Bus" receiver type in "Receiver Selection" wizard, the channels are assigned as when you create a new model in the Jeti transmitter from scratch. If you have yet used the Jeti transmitter using UDI protocol that have a different channel assignment, changing from UDI to EX bus protocol maybe you must reassign the channel in the transmitter: menu -> "Model" -> "Servo Assignment", 1=Throttle, 2=Roll, 3=Elevator, 4=Pitch, 5=Yaw, 6=Gyro sens., 7=Setup(renamed), 8=Aux Rescue(renamed). With Windows app, check also in panel 5 of wizard, and menu -> "Model" - "Servo Setup" end points are around +100%/-100%.



- Note3:** To fast change big numbers, pressing the transmitter key "MENU", change the unit, the tens, the hundreds.
- Note4:** NEVER use the Brain2/iKon2 Integration while you are flying! Anyway, Integration navigation work only with the heli landed to ground if throttle is at zero (throttle hold and / or Throttle cut) and the read RPM are at zero.
NEVER use the Brain2/iKon2 Integration together with the Windows application and/or Android app and/or iOS app or while changing parameter values using Dials. Use only one system at a time.
- Note5:** The Jeti Integration was developed and tested with JETI transmitter ds-16 firmware 4.00 Dec 11 2015, with R9 firmware ver.03.24, Rsat2 ver.03.25, REX3 ver.01.02 receivers.
- Note6:** Due to the big amount of FW code, Jeti Integration work only on the new Brain2/iKon2 units that have more memory for the FW code added.

Jeti is trademark of the respective company.