

Project Startup Guide

Required information when starting up an EmpirBus project:

- **12/24V system?**
- **What will be controlled/monitored?**
 - Inputs/Outputs
 - Signal types
 - Loads
 - Sensors
 - Switches
 - Location (only needed for deliveries)
 - GSM
 - EnOcean
- **External panels?**
 - 8BP
 - SP8
 - SP12
 - RMK-6
 - Number of panels
 - Button/Panel design
- **Third-Party Integrations?**
 - Climate
 - Power management
 - Gyro
 - Interceptors
 - Audio
 - API
- **MFD/App?**
 - Garmin
 - Raymarine
 - Maretron
 - CloudControl
- **Graphics?**
 - Standard
 - Custom design (who produces graphics?)

When system requirements are specified:

1. Select units
2. Finalize IO-list
3. Graphics
 - A. **Standard GST graphics** – Make a quick sketch how to split up in pages
 - B. **Customized graphics from external designer** – Send design to GST for approval
 - C. **Customized graphics via GST** – Guidelines, requirements, sketch, colors etc.
4. Send to GST for approval
5. When project is approved GST will return with an estimated delivery time and cost.

Things to keep in mind when selecting units:

DCM

- 12V & 24V systems
- Max 100 amp per unit
- Can be set as master if system consists of maximum 3 ID:s
- Required when EnOcean will be used

Connect 50

- 12V systems only
- Max 50 amp per unit
- Can be set as master if system consists of maximum 6 ID:s
- Required if SP8 panels will be used
- Required for ModBus integrations

MCU

- Required when number of system units or components exceeds the limitation for DCM and Connect 50 as master.
- Required for most third-party integrations
- Required when GSM will be used

WDU

- Required for Garmin MFD's