

iQFreeze*

A MODERN APPROACH TO REFRIGERATED FLEET MANAGEMENT



iQFreeze is a specialized on-board device for monitoring and control of vehicles in a fleet with mixed refrigeration equipment. It also controls perishable goods transportation conditions.

A unique feature of iQFreeze devices is compatibility with any telematics equipment and vehicle GPS tracking system.

iQFreeze is compatible with most refrigeration units from leading manufacturers.

MAIN FEATURES OF THE UNIVERSAL ADAPTER-REGISTRATOR IQFREEZE:

- Metrological verification and compliance with state laws (for Russia only)
- Up to 6 temperature sensors ($\pm 0.5^{\circ}\text{C}$ accuracy)
- Data transfer to the vehicle GPS tracking system
- Wireless printer for temperature reports (optional)
- Free Android App for easy equipment status monitoring (for the driver)
- Default connection to the Refrigerated Unit controller board
- Refrigerated Unit operating parameters control
- Multi-temperature Trailer Unit support
- Notification to the driver and the dispatcher in case of emergency situation
- Support for ThermoKing, Zanotti, Mitsubishi and other manufacturers' Refrigerated Units.



iQFreeze devices can be configured wirelessly through the iQFreeze mobile app.

IQFREEZE MOBILE — AN ANDROID APPLICATION TO MONITOR THE CARGO CONDITIONS BY THE DRIVER.

The application displays the following data:

- Refrigerated Unit connection status (ON/ OFF)
- Unit type
- Diagnostic messages and their meaning
- Set temperature
- Engine temperature
- Status information on each trailer section (when using multi-zone units)
- Engine RPM
- Refrigerated Unit operation/configuration mode
- Door status (Open/Closed) (optional)

The app allows you to set audio notification for the following events:

- Refrigerated Unit temperature deviation from the setpoint by more than a specified value
- Diagnostic or Error messages (with detailed description)
- Refrigerated Unit engine stop

These notifications allows you to start responding to an emergency situation long before the violation of the transported cargo temperature conditions really appear.

IQFREEZE IMPLEMENTATION AND PROPERLY CONFIGURED VEHICLE MONITORING SYSTEM ALLOWS TO SOLVE COMMON PROBLEMS ANY REEFER FLEET OWNER FACES:

I. Preservation of perishable goods and temperature sensitive cargo.

- Compliance with conditions of carriage of goods
- Refrigerated Unit technical status monitoring
- Physical security of the transported cargo

II. Optimization of Refrigerated fleet management.

- Fuel consumption optimization and control
- Ensuring the vehicle availability and readiness for the transportation