

[<< back \(AV & Custom Systems\)](#)

iRidium for AV & Custom Systems

the package of tools for setting up equipment which is not included in the standard iRidium database: all Audio/Video equipment, format converters and any other elements of automation systems.

The AV & Custom Systems driver enables sending of any commands in any format (ASCII, HEX, DEC) using any type of transport for it (TCP, UDP, HTTP, RS232). 2-way communication with AV equipment is performed with the help of [ready-made modules](#) and [iRidium Script](#).

Capabilities

iRidium for AV & Custom Systems (Audio-Video, converters and elements of automation systems) allows you to control any equipment with COM-port (RS232). The control is performed through format converters which receive commands via IP and send them to the target equipment via COM-ports. This way of control provides maximum flexibility of the system due to the possibility of wireless connection (format converters with Wi-Fi modules), simultaneous control from several panels and work via the Internet.

The most complete integration with iRidium is accomplished with converter from TCP to RS232 of the [Global Cache](#) company ([iTach WF2SL](#), [iTach IP2SL](#) или [GC-100-06, GC-100-12](#)).

[Global Cache](#) converters controlled by iRidium, provide the following **advantages** when communicating with equipment via RS232:

- Ready modules of Global Cache converters in iRidium data base (it is necessary to set up only the IP-address of the converter. It is possible to receive feedback via RS232 and system data from the converter)
- Wireless connection via Wi-Fi allows you to avoid installing additional wires for communication with RS232 controlled equipment ([iTach WF2SL](#))
- Simultaneous connection of several control panels to one **iTach** converter
- Controlling Global Cache converters via the Internet

Instructions

[Description of iRidium for AV & Custom Systems](#)

- [1 How iRidium Expands Capabilities of Controlling Automation Systems](#)
- [2 How It Works](#)
- [3 Install the iRidium Software Package on PC](#)
- [4 Install iRidium App on Control Panels](#)
- [5 Create Projects](#)
- [6 Receive Licenses](#)
- [7 Launching Projects on Control Panels](#)

[**AV & Custom Systems: Control via RS232 through Global Cache**](#)

- [1 Principles of Controlling Equipment via RS232](#)
- [2 Adding RS232 Commands to iRidium Data Base](#)
 - [2.1 Creating New Files of iRidium Data Base](#)
 - [2.2 Creating New RS232 Devices](#)
 - [2.3 Setting Up RS232 Devices](#)
 - [2.4 Syntax of RS232 Commands](#)
 - [2.4.1 Sending Commands in the ASCII \(Strings\) Format](#)
 - [2.4.2 Sending Commands in the HEX \(Hexadecimal\) Format](#)
 - [2.4.3 Sending Commands in the DEC \(Decimal\) Format](#)
- [3 Adding RS232 Devices to iRidium Projects](#)
- [4 Setting Up the Serial Port of Global Cache](#)

Downloads

[**Download: Base of Global Cache ready modules for iRidium projects\(127 Kb\)**](#)