

# iRidium for AV & Custom Systems

**Description on the web site**  
**Specification**

Updated: 18.09.2013

iRidium for AV & Custom Systems enables connection to equipment via the TCP, UDP, HTTP(s), RS232 protocols.

iRidium can send ASCII, DEC, HEX commands and receive feedback from equipment.

Home Theater, Multi-room, TV, DVD/BluRay players, iTunes, XBMC, commutators, matrix, preamplifiers are controlled from any device: iPad, iPhone, Mac OS X, Android and Windows devices.

There is a built-in script language for processing data and creating custom protocols for communication with equipment.

Variants of using "iRidium for AV & Custom Systems":

- Without feedback - the simplest way. You need to form the list of commands for sending them to equipment.
- Use [Ready iRidium Script Modules](#) for control with feedback - each of them include a driver and a control interface.
- You can create a unique driver with feedback for work via RS232 through Global Cache with the help of [iRidium Script API](#) and [iRidium DDK](#).

Go through **free trainings** of [iRidium Academy](#):

- [the webinar "iRidium for AV & Custom Systems and Global Cache"](#)
- [the webinar on working with iRidium GUI Editor \(there is a video record\)](#)
- [the webinar "iRidium Script"](#)

**Licensing** of iRidium for AV & Custom Systems:

- Device License Pro (AV & Custom Systems) - a license for one control panel. It can control of any equipment via the AV & Custom Systems driver. "Pro" enables work of scripts in ready modules and custom drivers.
- Site License Pro (Global Cache) - a license assigned to a Global Cache converter. It can be uploaded on several control panels. The license works when there is connection with the licensed Global Cache module: during this time there will be control of Global Cache, any equipment connected through it and all drivers on the basis of AV & Custom Systems in the project.

 It is important to know that a Global Cache iTach converter can support not more than 4 control panels at a time. A GC-100-XX converter can support only 1 connection at a time.

[Start Your Work with iRidium](#)

## **Sending Commands via TCP, UDP, HTTP, RS232 Without Receiving Feedback**

[AV & Custom Systems \(TCP\)](#)  
[TCP/IP connection \(Ethernet, Wi-Fi\)](#)

[AV & Custom Systems \(UDP\)](#)  
[UDP/IP connection \(Ethernet, Wi-Fi\)](#)

[AV & Custom Systems \(HTTP\)](#)  
[connection through the web-interface \(Ethernet, Wi-Fi\)](#)

[AV & Custom Systems \(RS232\)](#)  
[connection through the RS232 interface \(COM-port\)](#)

also see [iRidium for Global Cache](#)

## **Connection of Several Control Panels to One GC-100-XX**

[iRidium Gate for Global Cache 100](#)  
[supports multi-client connection with GC-100-06 или GC-100-12](#)