

Skylark API

Action Router

[Action Router](#)

API of Services

- [Graphics Actions: Management of Graphic Compositions](#)
- [Ezcaster: Server of Task Queue \(Playlist\)](#)
- [Irlay: Slow Motion and Instant Replay Service](#)
- [RecSrv: Recording Service](#)
- [Stored: Database Service](#)
- [Router Bus: Matrix Management Service](#)
- [Neovid HTTP API](#)

Service Ports

Service	File (*.exe)	Higher Level Protocol	Transport	Ports	Note
-	-	XMLRPC/HTTP	TCP	20100 - 21100	dyn/alloc zone-the pool of dynamically allocated ports (e.g., for Multiscreen or ProfanityDelay)
Action Router	comgpid	XMLRPC/HTTP	TCP	5454	The service providing registration for all other system modules sending or receiving actions.
GPI Board	gpi	XMLRPC/HTTP	TCP	4142	The service responsible for work of GPI cards and system keyboards.
Administrator control panel	neovid	XMLRPC/HTTP	TCP	7901	The server control web-panel
Multiscreen	multiscreen	NVT	TCP	5657	The multiscreen client application

Service	File (*.exe)	Higher Level Protocol	Transport	Ports	Note
Program Channel	ezcaster	XMLRPC/HTTP	TCP	4942+N*16	The service for processing a clip queue (a one layer playlist). The playlist service reserves 16 ports (the main playlist, graphic playlists from 1 to 8, port reserve). The maximal configuration supports simultaneous work of 12 channels with 9 playlists in each of them: • Program_1: 4942-4950 • Program_2: 4958-4966 • Program_3: 4974-4982 • Program_4: 4990-4998 • Program_5: 5006-5014 • Program_6: 5022-5030 • Program_7: 5038-5046 • Program_8: 5054-5062 • Program_9: 5070-5078 • Program_10: 5086-5094 • Program_11: 5102-5110 • Program_12: 5118-5126

Service	File (*.exe)	Higher Level Protocol	Transport	Ports	Note
Program Channel	rrplay	XMLRPC/HTTP	TCP	4742+N*16	The program channel player service. The program channel service reserves 16 ports (10 for layers, 6 for port reserve). The maximal configuration supports simultaneous work of 12 channels: • Program_1: 4742-4757 • Program_2: 4758-4773 • Program_3: 4774-4789 • Program_4: 4790-4805 • Program_5: 4806-4821 • Program_6: 4822-4837 • Program_7: 4838-4853 • Program_8: 4854-4869 • Program_9: 4870-4885 • Program_10: 4886-4901 • Program_11: 4902-4917 • Program_12: 4918-4933
Playout	eplayer	-	TCP	4642+N	The playout service
Capture	ecapture			The first available from the dynamic pool (from 20100)	The capture service
Router Bus	avroute	XMLRPC/HTTP	TCP	4842+X	The service for control of a matrix switcher. X - the RouterBus service number (enumeration starts with 0.). The port is specified in the Router Client app settings when establishing a new connection.
Recorder	recsrv	XMLRPC/HTTP	TCP	4242 + 4258	The recording service
Storage	stored	XMLRPC/HTTP	TCP	9900 + 2*N	The database service
Storage	stored	STORED_DATA	TCP	9901 + 2*N	The database service
Storage	stored	STORED_LOOKUP	UDP	10101	The database service

Service	File (*.exe)	Higher Level Protocol	Transport	Ports	Note
VTR	vtrsrv	XMLRPC/HTTP	TCP	4542 - 4558	The service for working with a tape-recorder
RecManager	recmgr	XMLRPC/HTTP	TCP	11235	The service for recorder management
TCSrc	tcsrv	XMLRPC/HTTP	TCP	42422	The timecode receiver service
Instant Replay	irplay	XMLRPC/HTTP	TCP	10042	The instant replay and slow motion service
MultiScreen	mtscsrv			The first available from the dynamic pool (from 20100)	The multiscreen service
ProfanityDelay	airblock			The first available from the dynamic pool (from 20100)	The profanity delay service for live broadcasts
RSS Feeder					RSS Generator
Time Shift	no	no	no	no	The virtual service created by simultaneous launch of ecapture and eplayer

N – the number of launched services (enumeration starts with 0).

Additional Information

- [Recalculating Calendar Time to Julian Days and Back.](#)
- [Air Manager Rec-List Structure](#)
- [Air Manager Playlist Structure](#)

API Use Examples

- [Replay Server Management from JavaScript via Instant Replay API](#)
- [Program Channel Management from JavaScript via Ezcaster API](#)

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