

Kommander-KA

REST communication protocol for third party integration of

Kommander-KA18
Kommander-KA14 I
Kommander-KA28
Kommander-KA34
Kommander-KA68
Kommander-KA104
Kommander-KA208

The Kommander-KA audio amplifiers implement a web service compatible with the HTTP REST architecture supporting the following HTTP methods:

HTTP method	Description
GET	Get a representation of the target resource's state.
PUT	Set the target amplifier state to the state defined by the representation enclosed in the request.

The HTTP REST commands can be conveyed to the Kommander-KA amplifiers over the Ethernet connectivity (either wired and wireless) according to the following model:

Description	Endpoint	Parameters	Method
Player set random	/player/random	{Value: true false}	PUT

Examples

Stating the amplifier IP address is 192.168.10.15:

GET	Player random state	http://192.168.10.15/player/random	
PUT	Route Input CH1 to output CH2	http://192.168.10.15/dsp/MATRIX/CHL001/MUTE02/ON_OFF/1	{}

HTTP REST commands

Command	Endpoint	Parameters	Method
Mute status	/dsp/OUTPUT/{channel}/MUTE01/ON_OFF		GET
Mute channel ON	/dsp/OUTPUT/{channel}/MUTE01/ON_OFF/1	{}	PUT
Mute channel OFF	/dsp/OUTPUT/{channel}/MUTE01/ON_OFF/0	{}	PUT
Get volume	/dsp/{section}/{channel}/VOLUME01/GAIN		GET
Set volume	/dsp/{section}/{channel}/VOLUME01/GAIN/3	{}	PUT
Routing ON	/dsp/MATRIX/{channel}/{output mute}/ON_OFF/1	{}	PUT
Routing OFF	/dsp/MATRIX/{channel}/{output mute}/ON_OFF/0	{}	PUT
Standby ON	/micro/standby/1	{}	PUT
Standby OFF	/micro/standby/0	{}	PUT
Led ON	/micro/led/1	{}	PUT
Led OFF	/micro/led/0	{}	PUT
Player stop	/player/stop	{}	PUT
Player play	/player/play	{}	PUT
Player pause/resume	/player/pause-resume	{}	PUT
Player next	/player/next	{}	PUT
Player prev	/player/previous	{}	PUT
Player get random status	player/random	{}	GET
Player set random	/player/random	{Value: true false}	PUT
Player get repeat status	/player/repeat		GET
Player set repeat status	/player/repeat	{Value: true false}	PUT
Device preset list device-preset/headers	/device-preset/headers		GET
Set device preset by ID	/device-preset/preset/apply-all/{guid}	{}	PUT
Reboot	/system/reboot		GET
Module temperature	/micro/channel/temperature/{amp module}/{ch}		GET

Where:

{amp module}	0 (channels 1 to 4) or 1 (channels 5 to 8)
{ch}	0, 1, 2, 3
{channel}	CHL001, CHL002, ..., CHL008
{section}	INPUT or OUTPUT
{output mute}	MUTE01, MUTE02, ..., MUTE08

Note

Even in case of PUT methods with no parameters, it is always required to set a body in the request, possibly empty, i.e. {}