

AmbiVision PRO docs:

Communication protocol

The sheet provides basic commands description to control the device using user written scripts or programs.

Communication channel:

Protocol: UDP

Port: 45457

1. Controller discovering

Send: **AmbiVisionPing** to the broadcast address (**255:255:255:255**)

As a response you will receive:

AmbiVision(605533_V.18)\nMagicLink(21393430v5)\n

...where 18 is controller firmware version and v5 is MagicLink version. 605533 and 21393430 are unique IDs for every device.

NOTE: This way you will obtain IP address of the controller and broadcast address should not be longer used (can be used periodically to check connection every 5-60 sec).

2. Set current mode

Device name	Command ID	Mode x = { CAPTURE =1, MOOD=2, AUDIO=3, TURN_OFF=4}
AmbiVision	2	x

Example(switch to the mood mode): AmbiVision22

Note: Do not switch the modes too fast. 500ms of delay is safe.

3. Set current sub-mode

You need to know what is a current main mode. Then sub-mode value can be:

Capture mode

x = {
CAPTURE_INTELLIGEN=1,
CAPTURE_SMOOTH=2,

CAPTURE_FAST=3,
 CAPTURE_AVERAGE=4,
 CAPTURE_USER=5}

Mood mode

x = {
 MOOD_MANUAL =1,
 MOOD_DISCO=2,
 MOOD_RAINBOW=3,
 MOOD_NATURE=4,
 MOOD_RELAX=5}

Audio mode

x={
 AUDIOMODE_LEVEL_BINS=1,
 AUDIOMODE_MIXED_BINS=2,
 AUDIOMODE_LAMP=3,
 AUDIOMODE_STROBO=4,
 AUDIOMODE_FREQ_BINS=5}

Device name	Command ID	Mode (look above)
AmbiVision	3	x

Example (switch to the manual sub-mode in the mood mode): AmbiVision31

4. Set overall brightness

Device name	Command ID	Value (x = 0-100)	End of line
AmbiVision	4	OVERALL_BRIGHTNESS={x}	\n

Example: AmbiVision4 OVERALL_BRIGHTNESS={55} \n

5. Set specific color in the mood mode (mood mode and manual sub-mode have to be enabled before)

Device name	Command ID	Red value (x = 0-255)	Green value (x = 0-255)	Blue value (x = 0-255)	End of line
AmbiVision	1	R{x}	G{x}	B{x}	\n

Example: AmbiVision1 R{128} G{245} B{221} \n