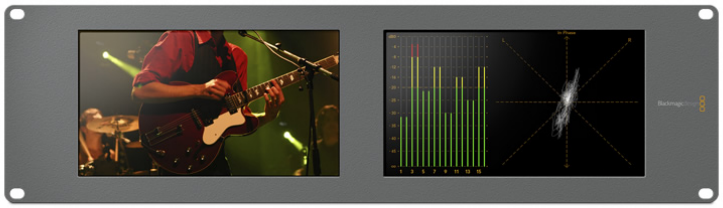
Device: BMD SmartView Duo/SmartScope Duo 4K



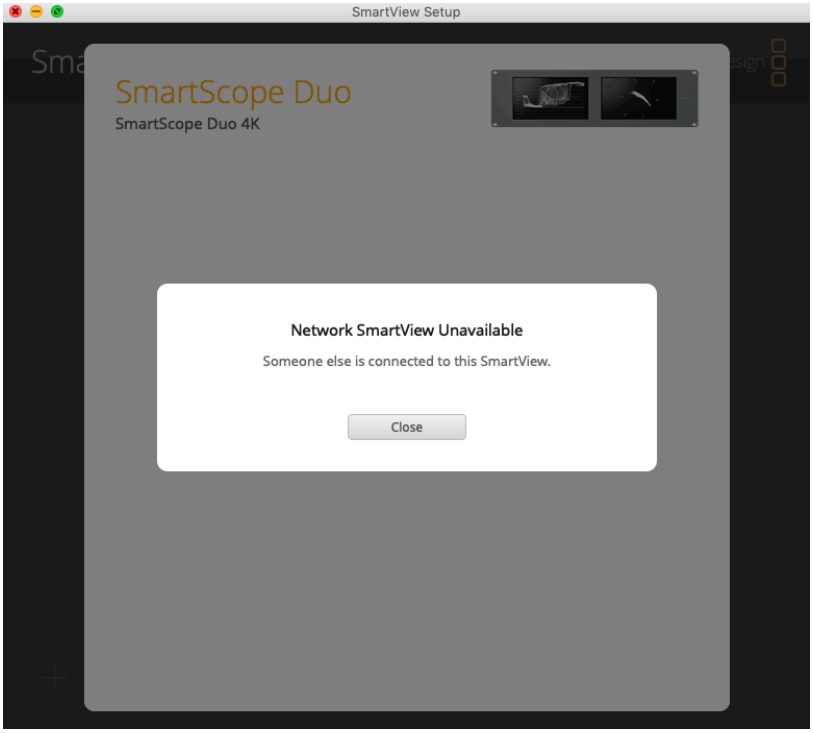
Introduction

A number of parameters on the Blackmagic Design SmartView Dup/SmartScope Duo 4K can be controlled from a SKAARHOJ control panel. The Device Core "BMD SmartScope" is used to both control the SmartView and the SmartScope. The SmartView does not have the scope features so the Scope actions will not work on this model

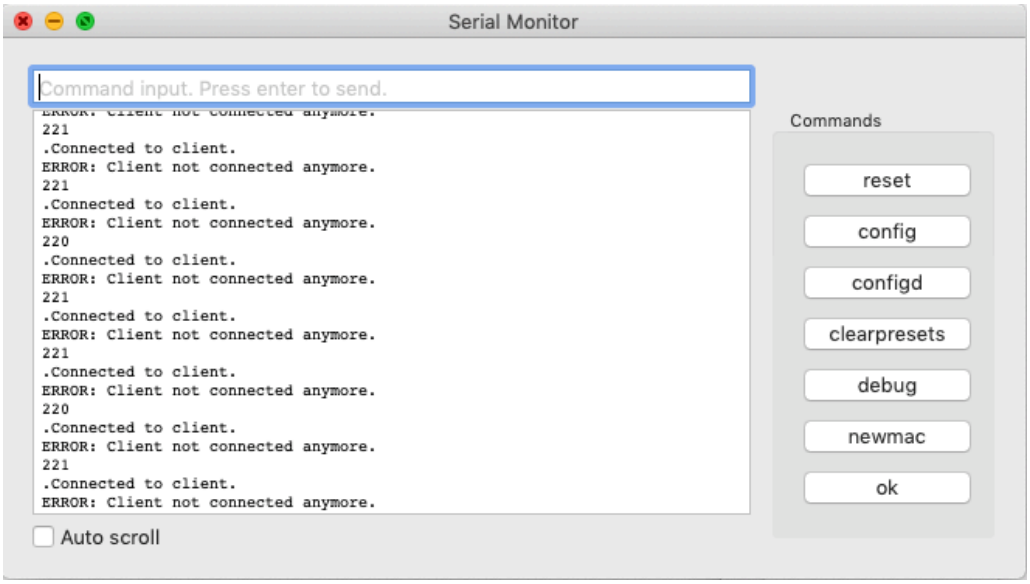
The implementation is done on SmartView V. 4.0.3

Number of Clients

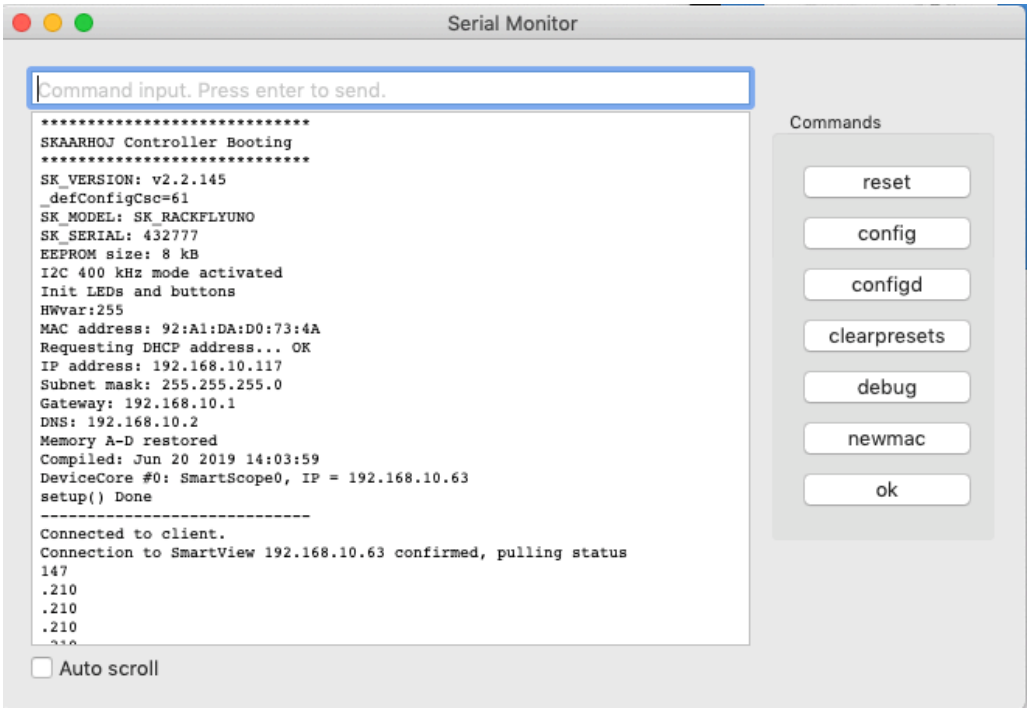
Please notice. The SmartView/SmartScope will only accept a single client connection. If a SKAARHOJ controller is already connected to the SmartView/SmartScope the BMD Software will present this message:



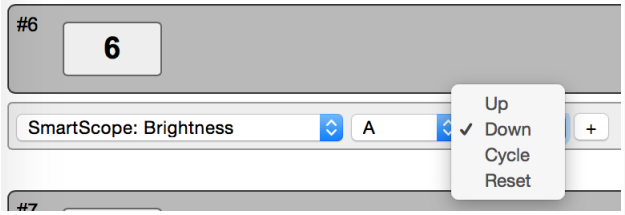
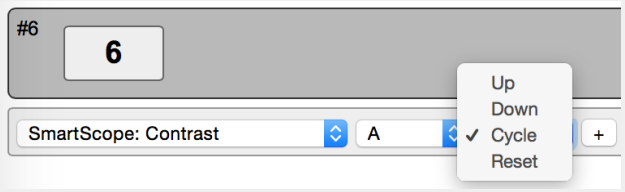
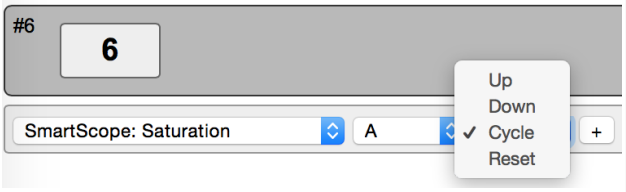
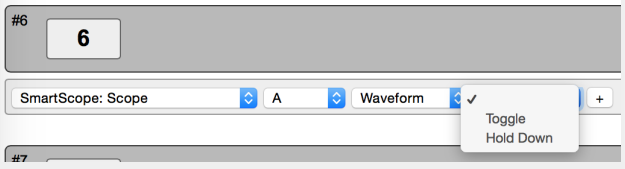
If the BMD Software *is* connected to the SmartView/SmartScope the feedback from the Serial Monitor (provided IP settings are correct) will state:



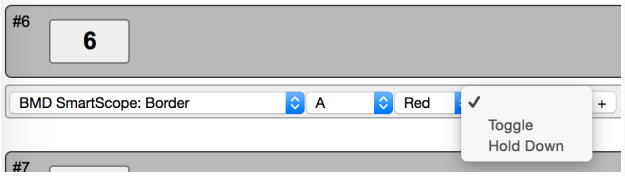
A succesful connection to the SmartView/SmartScope will look like this:



This is a table of actions for Blackmagic Design SmartScope/SmartView monitors.

Brightness 	Control Brightness on Scope A (left) or B (right) in the range of 0-100. *Binary triggers:* "Up" will increase Brightness until max value is reached. "Down" will decrease Brightness until minimum value is reached. In "Cycle" mode, a trigger will cycle through the Brightness adjustment and will not stop when min/max value is reached (corresponds to a single pulse input). "Reset" will reset the Brightness to factory default. *Pulse inputs:* Will cycle through adjustment for Brightness *Binary outputs:* On when Brightness is adjusted *Button colors:* Follows binary output: Highlighted, when on. *Displays:* Shows the Brightness value.
Contrast 	Control Contrast on Scope A (left) or B (right) in the range of 50-150. *Binary triggers:* "Up" will increase Contrast until max value is reached. "Down" will decrease Contrast until minimum value is reached. In "Cycle" mode, a trigger will cycle through the Contrast adjustment and will not stop when min/max value is reached (corresponds to a single pulse input). "Reset" will reset the Contrast to factory default. *Pulse inputs:* Will cycle through adjustment for Contrast *Binary outputs:* On when Contrast is adjusted *Button colors:* Follows binary output: Highlighted, when on. *Displays:* Shows the Contrast value.
Saturation 	Control Saturation on Scope A (left) or B (right) in the range of 50-150. *Binary triggers:* "Up" will increase Saturation until max value is reached. "Down" will decrease Saturation until minimum value is reached. In "Cycle" mode, a trigger will cycle through the Saturation adjustment and will not stop when min/max value is reached (corresponds to a single pulse input). "Reset" will reset the Saturation to factory default. *Pulse inputs:* Will cycle through adjustment for Saturation *Binary outputs:* On when Saturation is adjusted *Button colors:* Follows binary output: Highlighted, when on. *Displays:* Shows the Saturation value.
Scope 	Sets the Scope Mode *Binary triggers:* Sets the specified Scope for A, B or A+B. Toggle will select the Scope, but on a second trigger, it will fall back to the previous Scope mode. If Hold Down is selected, the Scope mode will fall back to its presents state when the trigger is released. If Cycle mode is selected, a trigger will set the next Scope Mode (corresponds to a single pulse input) *Pulse inputs:* Will cycle though and set the possible Scope Mode limited by the selected Scope Mode. *Binary outputs:* On when actual Scope Mode matches selected Scope Mode. *Button colors:* Follows binary output: Highlighted, when on. *Displays:* Shows the Scope Mode.

Border



Set the soft Tally colored borders to none, Red, Green or Blue

Binary triggers: Sets the specified Border for A, B or A+B. Toggle will select the Border, but on a second trigger, it will fall back to the previous Border mode. If Hold Down is selected, the Border mode will fall back to its presents state when the trigger is released. If Cycle mode is selected, a trigger will set the next Border Mode (corresponds to a single pulse input)

Pulse inputs: Will cycle though and set the possible Border Mode limited by the selected Border Mode.

Binary outputs: On when actual Border Mode matches selected Scope Mode.

Button colors: Follows binary output: Highlighted, when on.

Displays: Shows the Border Mode.