

Partner: APart
Model: Concept1
Device Type: Amplifier


GENERAL INFORMATION:

SIMPLWINDOWS NAME:	APart Concept1 v1.0.umc
CATEGORY:	Amplifier
VERSION:	V1.0
SUMMARY:	The module allows controlling the APart Concept1 through RS-232.
GENERAL NOTES:	<p>The communication between Crestron and APart is made by a straight standard RS-232 connection.</p> <p>It is possible to choose between 1 or 2 zones. Each zone allows controlling:</p> <ul style="list-style-type: none"> - Music Volume - Music Maximum Volume - Micro Volume - Micro Maximum Volume <p>The Concept1 allows connecting 4 sources. For each source it is possible to:</p> <ul style="list-style-type: none"> - Select the source - Change the input gain - Read the name of the source - Set the name of the source <p>Overall controls:</p> <ul style="list-style-type: none"> - Change Bass - Change Treble - Auto Loudness - Standby On/Off - Restore Factory Settings (After triggering, power cycle of the Concept1 is needed) <p>!!!IMPORTANT!!!! The Concept1 must be configured with no echo, no header and VALFB ON. The "Start-up" input triggers these settings.</p>
CRESTRON HARDWARE REQUIRED:	Processor with a RS-232 port to control the Concept1.
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 19200 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	V1.0.1 – Date 15 Dec 2008
VENDOR SETUP:	Pro2 connected to the Concept1 through standard RS-232 cable.

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CONTROL:

Start up procedure	D	Pulse to trigger the start up procedure. The procedure turns off the header and the echo. Valfb is turned on and the current status is requested.
Get system status	D	Pulse to retrieve the current status.
Select Zone1 X	D	Pulse to select source X.
Pulse paging Zone 1	D	Pulse to turn on paging in zone 1.
Pulse paging Zone 2	D	Pulse to turn on paging in zone 2.
Pulse Paging Single	D	Pulse to turn on paging when there is only a single zone.
Pulse Multizone	D	Pulse to choose between 1 or 2 zones.
Pulse Zonelink	D	Pulse to turn on/off zonelink.
Pulse Auto Loudness	D	Pulse to trigger Auto Loudness.
Pulse Standby On	D	Pulse to put the device in standby mode.
Pulse Standby Off	D	Pulse to turn the device back on from standby mode.
Music Level up ZoneX	D	Pulse to increase the music level in zoneX.
Music Level down ZoneX	D	Pulse to decrease the music level in zoneX.
Microphone Level up ZoneX	D	Pulse to increase the microphone level in zoneX.
Microphone Level down ZoneX	D	Pulse to decrease the microphone level in zoneX.
Max Music Level Up ZoneX	D	Pulse to increase the Maximum Music level in ZoneX.
Max Music Level Down ZoneX	D	Pulse to decrease the Maximum Music level in ZoneX.
Max Mic Level Up ZoneX	D	Pulse to increase the Maximum Microphone level in ZoneX.
Max Mic level Down ZoneX	D	Pulse to decrease the Maximum Microphone level in ZoneX.
Equalizer Bass Up	D	Pulse to increase the Bass value.
Equalizer Bass Down	D	Pulse to decrease the Bass value.

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Equalizer Treble Up	D	Pulse to increase the Treble value.
Equalizer Treble Down	D	Pulse to decrease the Treble value.
Input Gain Up X	D	Pulse to increase the gain on source X.
Input Gain Down X	D	Pulse to decrease the gain on source X.
Pulse Restore	D	Pulse to Restore Factory Settings. The device needs to be manually power cycled.
Pulse Send Names	D	Pulse to send the provided source names to the device.
Pulse Read Names	D	Pulse to read the current source names from the device.
From Device	S	Needs to be connected with the RX output of the connected serial port.

FEEDBACK:

SingleZone Is Selected	D	High to indicate that there is only a single audio zone.
MultiZone Is Selected	D	High to indicate that there are 2 audio zones.
Zone1 X Is Selected	D	High to indicate that source X is Selected.
Paging Zone X Is ON	D	High to indicate that paging is on in Zone X.
ZoneLink Is ON	D	High to indicate that ZoneLink is active.
AutoLoud is On	D	High to indicate that Auto Loudness is on.
Muzic ZoneX Fb	A	Analog value containing the music level of zone X.
Music Max ZoneX Fb	A	Analog value containing the maximum music level in zone X.
Mic ZoneX Fb	A	Analog value containing the microphone level of zone X.
Mic Max ZoneX Fb	A	Analog value containing the maximum microphone level of zone X.
EQBass FB	A	Analog value containing the Bass level.
EQTreble FB	A	Analog value containing the Treble level.
IPGAIN X	A	Analog value containing the input gain value of source X.
Sourcename X FB	S	Serial value containing the name of source X.

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To device	S	Needs to be connected with the TX Input of the connected serial port.
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PARAMETERS:

Source X	S	Serial parameter containing the desired source name of source X.
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TESTING:

OPS USED FOR TESTING:	PRO2 4.001.1011 (Feb 10 2009)
SIMPL WINDOWS USED FOR TESTING:	V2.11.18
CRESTRON DB USED FOR TESTING:	V20.05.022.00
DEVICE DB USED FOR TESTING:	V21.00.007.00
SAMPLE PROGRAM:	Apart Concept1 v1.0 PRO2 DEMO.smw
REVISION HISTORY:	V. 1.0