

BRYSTON SP1.7 RS-232 PROTOCOL (preliminary REV 3 - APRIL 2002)

Source Switching

SAT↓ switch to SAT input
DVD↓ switch to DVD input
CD↓ switch to CD input
AUX↓ switch to AUX input
VCR↓ switch to VCR input
TP↓ switch to TAPE input

DI↓ toggle DIGITAL on/off
DIN↓ force DIGITAL on
DIF↓ force DIGITAL off

Listening Modes

THX↓ THX Surround listening mode
SUR↓ Surround listening mode
ST↓ Stereo listening mode
MN↓ Mono listening mode
SV↓ Save mode settings for current input

Bypass Modes

BP↓ cycle Bypass Modes 2ch/5.1ch/off
BP2↓ force Bypass Mode Stereo
BP6↓ force Bypass Mode 5.1 channel
BPF↓ force Bypass Mode off

Surround Modes (submodes of THX and Surround listening modes for 2ch input)

SM↓ cycle through Surround Modes
EF00↓ No Effect
EF01↓ Pro Logic
EF02↓ PLII Music
EF03↓ PLII Movie
EF04↓ Neo:6 Music
EF05↓ Neo:6 Movie
EF06↓ Stereo5
EF07↓ Party
EF08↓ Hall
EF09↓ Church
EF10↓ Stadium
EF11↓ Club
EF12↓ Theatre
EF13↓ Natural

Extended Surround Options

EXN↓ THX Surround EX 'On'
EXF↓ THX Surround EX 'Off'
EXA↓ THX Surround EX 'Auto'
ESN↓ DTS-ES 'On'
ESF↓ DTS-ES 'Off'
ESA↓ DTS-ES 'Auto'

Volume Commands

GVxx↓ where xx is $-(\text{desired_volume})+12$ range: 0 (highest) to 80 (mute)
Note: accurate within 3dB

VU↓ volume up "XXX.X"
VD↓ volume down "XXX.X" or "MUTE"
MT↓ mute Toggle "MUTE" or "UNMUTE"
MTN↓ mute ON "MUTE"
MTF↓ mute OFF "UNMUTE"

Preset Speaker Configurations

SC1↓ S/S/S/Y
SC2↓ L/S/S/N
SC3↓ L/L/L/N
SC4↓ L/N/N/N

Status Query

SS1↓ returns listening mode "THX", "SUR", "ST", "MN", "BP2", "BP6"
SS2↓ returns input signal type see below
SS3↓ returns source and volume "SAT", "DVD", "CD", "AUX", "VCR", "TP"
SS4↓ returns Digital "ON" or "OFF"
SS5↓ returns Effect/Surround mode "EF00" to "EF12"
SS6↓ returns LCD decoding mode strings see SP1.7 Manual Appendix A
SS7↓ returns Master Volume "-35.5"
QSN↓ returns serial number

Power

PU↓ Power Up "SP1 OS v20.0" and initial volume
PD↓ Power Down

Communication

AFY↓ enables automatic feedback
AFN↓ disables automatic feedback

Pin 2 Receive Data (Rx)
Pin 3 Transmit Data (Tx)
Pin 5 Ground

*requires a NULL MODEM DB9 Cable for most applications
9600, 8, N, 1

Input Signal Strings

"UNKNOWN"
"PCM"
"Analog"
"DL D x/x.x" eg. "DL D 3/2/.1" (front/rear/sub)
"DTS x/x.x"