SIMPLWINDOWS NAME:	Tandberg Wave Camera Direct Control
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	Controls pan/tilt/focus/zoom/presets of camera
GENERAL NOTES:	This module will control a Tandberg WAVE camera when it is a standalone unit - not connected to the Tandberg codec, but connected directly to the Crestron system. To accomplish this, you will need to obtain the Tandberg WAVE Camera Integrators Cable from Tandberg. This cable will break out the 15 pin connector on the WAVE camera into separate connectors for 1) power, 2) a female DB9 (for RS232 control from Crestron), 3) an S-Video connector, and 4) a video connector. Plug the DB9 into the Crestron system, and this module will control the WAVE camera. Saving a preset is a three step process: 1. Move the camera to the desired position 2. Press SAVE (the SAVE-FB will go high) 3. Press the preset you wish to save the location to. To recall a preset, just press the preset number.
CRESTRON HARDWARE:	ST-COM, CNXCOM
SETUP OF CRESTRON HARDWARE:	Baud Rate - 9600 Parity - None Data Bits - 8 Stop Bits - 1 RTS and CTS do not need to be defined. Also, RTS does not need to be held high.
VENDOR FIRMWARE:	None
VENDOR SETUP:	Must use the Tandberg WAVE Camera Integrators Cable for connection to the Crestron system
CABLE NUMBER:	None

CONTROL:

TILT-UP	D	Activate tilt up for as long as signal is held high
TILT-DOWN	D	Activate tilt down for as long as signal is held high
PAN-LEFT	D	Activate pan left for as long as signal is held high
PAN-RIGHT	D	Activate pan right for as long as signal is held high
ZOOM-IN	D	Activate zoom in for as long as signal is held high
ZOOM-OUT	D	Activate zoom out for as long as signal is held high
FOCUS-NEAR	D	Activate focus near for as long as signal is held high
FOCUS-FAR	D	Activate focus far for as long as signal is held high
AUTOFOCUS-ON	D	Turn on autofocus (recalling a preset will also

turn it on)

AUTOFOCUS-OFF	D	Turn off autofocus (using manual focus controls will also turn it off)
AUTOFOCUS-TOGGLE	D	Toggle the state of autofocus
PRESETS	D	Used to store and recall presets for pan, tilt and zoom positions
SAVE	D	Puts the module into save mode to allow storage of presets
HOME	D	Sends the camera to a home position for pan and tilt
POWER-ON	D	Power on the camera
POWER-OFF	D	Power off the camera
RX$	S	Serial data string to be routed from a 2-way RS232 com port

FEEDBACK:

PRESETS-FB	-	Indicate which preset was last chosen
PRESET-SAVE-FB	-	Indicates when the module is in save mode
TX$	-	Serial data string to be routed to a 2-way RS232 port

.UPZ FILE USED FOR TESTING:	5.11.65x.upz
COMPILER USED FOR TESTING:	SimplWindows Version 1.51.08
SAMPLE PROGRAM:	Tandberg WAVE Camera Demo Program
REVISION HISTORY:	None