

Folder: XCMD Stacks

This folder contains the following five stacks with XCMD resources and documentation:

HyperTerm

This HyperCard stack acts as a simple terminal using the modem port. Whatever comes in over the serial port is displayed on the screen. And whatever is typed into the message box is sent to the serial port when the return key is typed (the return is sent as well).

This stack also includes a number of XCMDs for interfacing with the serial ports. These XCMDs allow HyperTalk scripts to read and write both of the serial ports. They are documented in the Help section of the HyperTerm stack.

SendSerial

This stack contains the SendSerial command in an XCMD resource, plus documentation of its usage. This command will send a string and control characters out the modem port at a user-specified baud rate.

SoundCapMover

You can create your own sound resources that HyperCard can play. This stack contains a command and instructions for converting a MacNifty digitized SoundCap™ file into an 'snd' resource that can be attached to a HyperCard stack. To do this you will either need to have SoundCap files or a MacNifty sound digitizing box and the SoundCap program (also by MacNifty). The "Sound.Resources" folder contains a SoundCap file, named "Flute", that can be converted and added to a stack using the SoundCapMover stack.

Sounds

This stack has a variety of sound resources attached to it (Harpsichord, Clang, and 6 others). It also contains documentation on the following sound commands and sound topics:

- The Play Command
- The Dial Command
- Putting sounds in other stacks
- How to use ResEdit
- Recording your own sounds

Video

This stack contains the following items:

- A working videodisc controller

- A three button mini-controller

and documentation on these topics:

- Videodisc commands from HyperTalk
- Allowing other stacks to control a videodisc
- Setting the brand of videodisc player
- Using ResEdit to install a videodisc player
- Cable wiring diagrams

Video is set up to run a Hitachi videodisc player. With minor modifications you can control any of the 4 other types of players whose drivers are attached to the Video stack as XCMD resources. (You will also need to copy the resource to your stack. Instructions are included in "Video" online help and in the Stack Script.)

Folder: XCMD.Sources

This folder contains the following source code files:

breakSPort.p {Pascal source to send or clear a break on the serial port.}
 bufferSPort.p {Pascal source to free a buffer and allocate a new buffer.}
 CFlash.c {'C' source to flash (invert) the screen.}
 Flash.p {Pascal source to flash (invert) the screen.}
 GetCreator.a {Assembly language source to map OS type to creator name.}
 GetCreator.p {Pascal source to map OS type to creator name.}
 GetDocs.p {Pascal source to update document representatives stack.}
 HyperXCmd.h {Definition file for HyperCard XCMDs and XFCNs in 'C'.}
 HyperXCmd.p {Definition file for HyperCard XCMDs and XFCNs in Pascal.}
 openPort.p {Pascal source to open the serial port driver.}
 Peek.p {Pascal source to return the contents of a memory location.}
 portHasChar.p {Pascal source to check if the serial port has data.}
 recvPort.p {Pascal source to return a character from the serial port.}
 recvString.p {Pascal source to place a string from the serial port into a buffer.}
 recvUpTo.p {Pascal source to return a string from the serial port.}
 resetPort.p {Pascal source to reset the serial port driver.}
 sendPort.p {Pascal source to send a string to the serial port.}
 SendSerial.p {Pascal source to send bytes out the serial port at a specified baud rate.}
 SM.h {'C' include file that defines the public interface of the Macintosh Sound Manager.}
 SoundCapToRes.c {'C' source to create an 'snd' resource from a SoundCap file.}
 XCmdGlue.inc {Pascal source for glue routines to call back to HyperCard.}
 XCmdGlue.inc.c {'C' source for glue routines to call back to HyperCard.}

Folder: Sound.Resources

This folder contains the following sound files:

Clang --- An 'snd' resource

Flute --- A SoundCap file

Hi There --- An 'snd' resource

Folder: Video.Drivers

This folder contains the following XCMD source files:

HitachiVideo.p - {Pascal XCMD source to drive a Hitachi 9550 laserdisc player.}

PanasonicTQ2024F.p - {Pascal XCMD source to drive a Panasonic TQ-2024F write-once laserdisc player.}

PioneerFNum.p - {Pascal XCMD source to get the frame number back from a Pioneer-LD-V6000 laserdisc player.}

PioneerLDV6000.p - {Pascal XCMD source to drive a Pioneer LD-V6000 laserdisc player.}

PioneerLVP4200.p - {Pascal XCMD source to drive a Pioneer LVP 4200 laserdisc player.}

Sony1500.p - {Pascal XCMD source to drive a Sony 1500, 1000A, or 2000 laserdisc player.}