



## Overview

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HyperCard® 2.0, a major revision of the Macintosh® computer program HyperCard, is a personal software package that lets you manage information using virtually any type of media. It also gives you easy access to the power of Macintosh programming.

Based on a simple metaphor—the index card—HyperCard 2.0 takes advantage of the Macintosh user interface to let you explore and build applications ranging from personal information managers to multimedia software and mainframe interfaces. Text, graphics, and sounds—even animation sequences—are stored on cards that appear on the Macintosh screen. These cards are grouped in “stacks.” You can make notes, type, or draw on the cards just as you would

paper index cards and then sort cards, browse among them, or quickly find specific information by clicking on “buttons.” Buttons can be programmed to perform an infinite number of useful tasks, including linking one card to another, launching other applications, or controlling external devices such as videodisc players, on-line information services, and CD-ROM drives.

Because it is easy to use and learn, HyperCard appeals to beginners, who can put it to work right away. Version 2.0 debuts an entirely new set of ready-to-use stacks for storing personal and business information, creating graphs and charts, building an electronic “train set,” and more.

Programmers who want to create custom software will find that HyperCard 2.0 is among the simplest, most powerful, and most extensible personal programming systems available. HyperCard 2.0 incorporates substantial new features for experienced users, many of which take advantage of the memory capacities, large screens, and processing power of modular Macintosh systems. It also includes additions to HyperTalk®, an English-like programming language, as well as a suite of powerful debugging tools.

HyperCard 2.0 opens a vast new array of applications to both novices and advanced programmers by giving them a host of tools and functions for using and creating custom Macintosh software.

# Features

# Benefits

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· Information organized by association

· Gives more intuitive and efficient and context as well as by hierarchy access to information.

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· High speed, high capacity

· Provides rapid access to large amounts of information.

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· Support for different media, including text, graphics, video, sound, voice, and media animation

· Provides a platform for interactive

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· Powerful tools to manipulate graphics, text, and buttons

· Allows you to customize stacks and templates using the familiar Macintosh interface.

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· Built-in stacks and templates

· Lets you start immediately with ready-to-use stacks including an address file, a datebook, a graph maker, scanned art, and a phone dialer.  
· Templates and card designs also allow you to create your own stacks, reducing the learning curve for users who want to begin creating their own software.

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· Variable card sizes (from 64 by 64 pixels to 1280 by 1280 pixels)

· Lets you create HyperCard applications for whatever screen size you're working with (including the Macintosh Portrait Display and Apple® Two-Page Monochrome Monitor) and whatever output size you need.

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· Multiple windows

· Lets you quickly navigate stacks by simply clicking on the window of the stack you want to see.  
· Allows faster cut and paste between stacks and sophisticated multiwindow applications.

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· Improved printing

· Lets you print a whole HyperCard stack or any part of a stack, including scrolling fields, or all cards that contain a specific word, background, or button.  
· Lets you create formats for different reports, in any font or style.

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· Styled text in fields

· Lets you choose any combination of fonts, sizes, and styles for text in HyperCard fields.

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· Support for black-and-white, gray-scale, or color PICT-based resources

· Displays color graphics in windows.

# Features

# Benefits

- Improved HyperTalk scripting language with
- Background processing under MultiFinder®
- Extended external command (XCMD) interface
- Modeless scripted editor
- Advanced debugging tools

- Lets you expand and customize the function of buttons, cards, and stacks to build more sophisticated programs.
- Improves the speed of stacks by automatically compiling scripts the first time they are run.
- Lets you do other work when complex scripts are running, or when you are compacting or sorting a stack.
- Lets you view several scripts simultaneously and quickly cut and paste information between them.
- Provides conveniences such as search and replace as well as import to and export from other files that allow stack designers to write scripts quickly and save them in a variety of formats.
- Provides fast debugging of sophisticated HyperCard-based applications.

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- User-definable menus

- Lets you build a wider range of custom software by easily changing the appearance, order, and functions of HyperCard menus.

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- Support for hypertext

- Lets you implement hypertext applications through direct links from a single word or group of words to related information.

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- Complete on-line help system

- Gives you immediate reference information and assistance.

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## System Requirements

To use HyperCard Version 2.0, you'll need the following:

- A Macintosh computer with a minimum of 1 megabyte of memory (2 megabytes when using MultiFinder)

- Two 800K disk drives or one 800K disk drive and a hard disk (hard disk recommended)
- System Software Version 6.0.5 or later, or A/UX® version 2.0 or later

- For the LaserWriter® driver version 5.2 or later
- For the LaserWriter II SC driver version 1.1, Image-Writer® version 2.7, and LQ Image-Writer version 2.0 or later

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## Technical Specifications

Number of stacks

- Limited only by available disk or file-server storage—each stack is one Macintosh disk file

inch) to 1280 horizontal by 1280 vertical pixels (approximately 18 inches square)

Maximum amount of text per field

- 30,000 characters

Maximum stack size

- 4,096 megabytes

Graphics

- Black-and-white bitmaps with opaque and transparent areas. Color, gray-scale, or black-and-white PICT resources as well as PICT and MacPaint® files displayed on a built-in window

Number of buttons and links per card

- Unlimited

Number of cards per stack

- Limited only by available disk or file-server storage

Number of variables

- Unlimited

Card size

- From 64 horizontal by 64 vertical pixels (less than 1 square

Number of text fields per card

- Unlimited

*(continued)*



# HyperCard 2.0

## Technical Specifications (Continued)

### User interface

- File menu commands
- Standard Macintosh File menu (HyperCard automatically saves changes)
- Print field, card, stack, or report
- Edit menu commands
- Standard Macintosh Edit menu
- New Card, Delete Card
- Edit, Cut, and Paste icons
- Go menu commands
- Go Back, Card by Card
- Go to Home Card
- Go to Help Card
- Review Last 42 Cards Seen
- Find Text in This Stack
- Show Navigation Palette
- Go to Next Window
- Standard Macintosh Font menu
- Standard Macintosh Style menu
- Painting tools
- MacPaint tools on a tear-off menu
- Import and export graphics from and to other files
- Draw transparent or opaque graphics
- Lighten and darken filled-in areas
- Draw regular polygons
- Rotate, distort, skew, or stretch

### paintimages

- Select the last object drawn
- Authoring commands
- Create, delete, or change styles of fields and buttons
- Edit any script
- Search or print a script
- HyperTalk
- Object-oriented message passing
- Any button, field, card, background, or stack can have a script
- Each script can have any number of “handlers” for messages generated by the system or the user
- Modeless script editor
- Symbolic debugging tools
- User-definable message inheritance
- Maximum script length: 30,000 characters
- First run of script automatically compiles
- Hypertext support
- HyperTalk commands
- Go to any card in any stack, by position, name, or ID number
- Visual effects such as shrink, stretch, fade, wipe, or scroll
- Put text in any field or any card

- Show dialog box for user input
- Perform numeric calculations

### Control structures

- Repeat until condition
- Repeat with loop counter
- If/then/else conditionals
- Exit loop or procedure
- Pass message/send message

### Datatypes

- Strings of unlimited length
- Conversion to SANE® numerics (9-place accuracy)
- Conversion to date and time

### Variables

- Contents of any field
- Dynamically created local variables
- Global variables

## Ordering Information

HyperCard version 2.0  
Order No. M0556/B

With your order, you'll receive:

- HyperCard program disk
- HyperCard Help disk
- 3 HyperCard stacks disks including Your Tour of HyperCard

- Getting Started with HyperCard
- HyperCard Reference
- HyperTalk Beginner's Guide
- Limited warranty statement