

SHARP®

AR **M** 277



enhanced multifunction document solutions

copy

print

scan

fax



multi-task

Digital
iMAGER™
Advanced Workgroup System

highlights

- › Touch-screen LCD display for easy operation
- › 100-sheet RADF
- › Mixed size original detection¹
- › Automatic trayless duplex copying and printing
- › Electronic sorting
- › 48 MB total standard memory
- › Offset stacking with paper shifter
- › JBIG speed-enhanced PC printing system
- › USB-2.0 and IEEE 1284 bi-directional parallel interfaces
- › 1,100-sheet standard paper capacity expandable to 2,100 sheets
- › 100-sheet multi-sheet bypass tray
- › Integrated Super G3 Fax Option
- › Optional 1,000-sheet finisher
- › PCL6 and Postscript Level 3 option with advanced network security²
- › Advanced network scanning option with LDAP³
- › Optional Data Security Kit⁴
- › Additional features include Job build, Stream feeding, Booklet copy, Dual page copy, Margin shift, Multi-shot copy, 100 department codes, Job programs, Edge erase, Image reversal, XY zoom, Image rotation



With state-of-the-art multifunction capabilities and advanced performance, the new AR-M277 IMAGER™ raises office productivity to a new level.

In today's fast-paced business environment it is essential to maximize your daily productivity. That is why Sharp designed the new AR-M277 Digital IMAGER. This versatile multifunction performer is a robust, 27-ppm out-of-the-box workgroup copier/printer that enables you to spend less time at the copier—and more time on your business. With standard features that include a 100-sheet reversing document feeder, auto-duplexing, and 1200-dpi laser output, the AR-M277 IMAGER is well equipped to deliver the performance required in any busy

workgroup. And, as your business needs change, the innovative modularity of the Sharp AR-M277 IMAGER allows you to integrate powerful multifunction capabilities such as PCL6 and Postscript Level 3 network printing, advanced network scanning, Super G3 faxing, and web-based management—as well as leading-edge security features.

With a myriad of features typically found on higher-end models, the new AR-M277 IMAGER offers the perfect combination of performance, versatility, and reliability.



Powerful Features in an Easy-to-Use, Ergonomic Design

Enhanced Copying at your Fingertips

The 27-ppm Sharp AR-M277 IMAGER was designed with advanced features that produce professional quality documents with minimal effort. With its standard 100-sheet RADF, electronic sorting, auto-duplex capability and 1200 dpi output, the AR-M277 IMAGER can handle complex copy jobs quickly and easily. With its easy-to-use touch-screen display, operating the AR-M277 IMAGER is as easy as 1-2-3.



The 1,100-sheet standard on-line paper capacity can be expanded to 2,100 sheets.

Multiple Sets in a Snap

Need several large proposals for a big meeting? Not a problem with the job build feature. You can program the AR-M277 IMAGER to deliver multiple sets—up to 500 sheets total. With the optional 1,000-sheet finisher, you'll have versatile output capabilities for truly professional results.

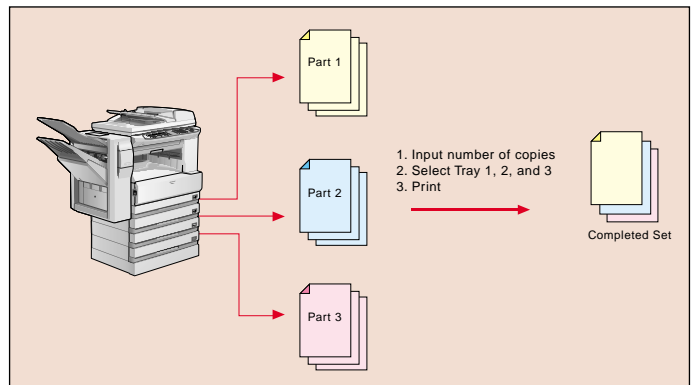
High-Efficiency Out-of-the-Box PC Printing

The Sharp AR-M277 IMAGER offers impressive standard PC printing that outputs jobs at up to 1200 x 600 dpi (enhanced) resolution. Sharp's host-based print controller utilizes JBIG compression, reducing the file size of jobs for faster printing. Additionally, the AR-M277 IMAGER also comes with a standard USB-2.0 interface and IEEE 1284 parallel interface, providing flexible connection alternatives to your computer.

The AR-M277 IMAGER speeds up your workflow with additional features that include N-up printing, fit-to-page, auto-duplexing and sorting. Best of all, the modular design of the AR-M277 IMAGER allows you to add networking and advanced printing emulations such as PCL6 and Postscript Level 3—as your business needs evolve.

PCL6 Network Printing

For added performance and functionality, Sharp's optional PCL6 print controller with standard imbedded network capability combines best-in-class features with leading-edge digital technology. With 64 MB standard memory, 1200 dpi true output resolution and standard 10/100baseT networking, the AR-M277 IMAGER can deliver ultra-crisp printed documents over your network quickly and efficiently. With features that include Carbon Copy Print mode, cover pages, proof printing and optional form/font downloads, you can produce high-quality documents that truly look professional. The optional PCL6 controller also offers advanced job control features that include auditing and job retention.



With Carbon Copy Print mode, the AR-M277 IMAGER can produce forms in triplicate quickly and easily.



Exceptional Efficiency with Convenient Network Scanning

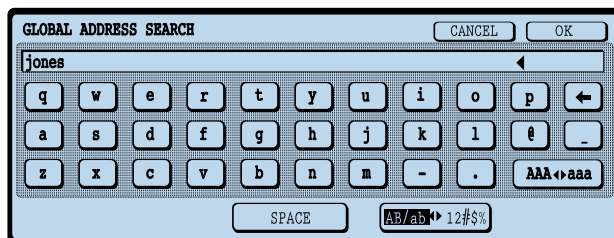
Distribute Documents Quickly and Easily with Optional Network Scanning

By adding the AR-NS2 Network Scanning Kit, you can transform the AR-M277 IMAGER into a powerful document distribution system with features including Scan to E-mail, Scan to Desktop, Scan to FTP and Scan to URL. Plus, you can save your scanned documents in today's most widely used file formats, PDF and TIFF. Additionally, the user-friendly touch-screen display features a QWERTY keyboard, so entering scan destinations is quick and easy. The Network Scanning function can also store up to 200 one-touch scan destinations.

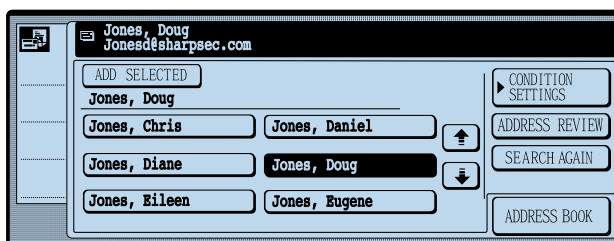
NEW!

With the built-in LDAP feature (Lightweight Directory Access Protocol) the AR-M277 IMAGER can search the Global Address Book in your company's mail server for an e-mail address. Simply enter the first few characters of the address and the AR-M277 IMAGER displays a list to choose from—saving you valuable time.

For security-conscious environments, the AR-M277 IMAGER supports User Authentication, restricting network scan access to authorized users only.



With the AR-M277 IMAGER's Network Scanning Kit with LDAP, users only need to enter the first few characters of the destination e-mail address.



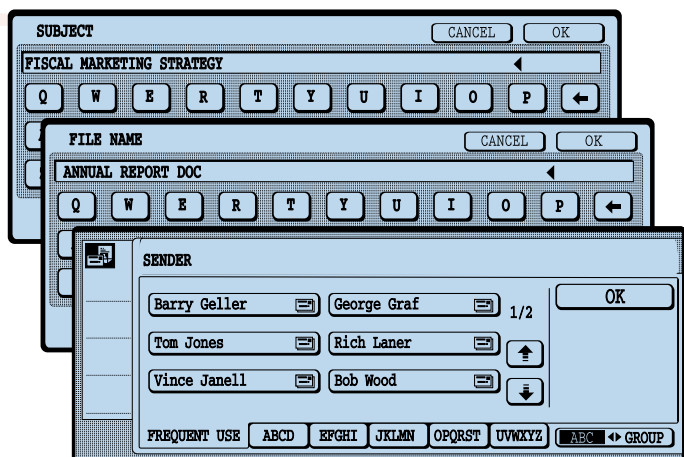
The AR-M277 IMAGER searches the Global Address Book on your company's mail server—saving you valuable time.

The AR-M277 IMAGER's Scan Destinations

e-mail

Scan to E-mail

The AR-M277 IMAGER's advanced Scan to E-mail function allows users to send documents to any e-mail address with the touch of a few buttons. Additionally, users can enter a unique filename for the scanned document, as well as select the sender and enter information into the subject fields. When the recipient receives the e-mail, these fields reference specific information about the attached document.



Scan to Desktop

Scan documents directly to your desktop computer for storing, archiving, editing or routing. The network scanning option includes Sharpdesk™ Document Management software, which provides users with comprehensive, easy-to-use tools to edit and manage scanned documents.



Scan to FTP

Scan directly to an FTP server for special applications such as corporate-wide posting or archiving.



Scan to URL

Eliminate sending large files over the Internet by sending e-mail recipients a link to a scanned document instead. Scan to URL scans the document directly to an FTP site and generates a live link for your recipient. This is also good for sending documents to large groups.

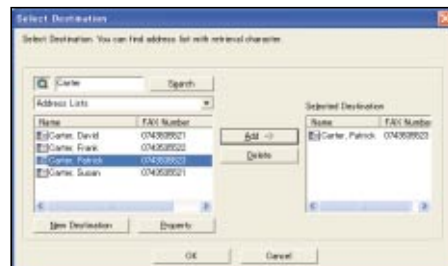
Integrated Fax Capabilities Provide Even More Functionality

Super Fast, Super G3 Fax

With the optional Super G3 Fax Module installed, the AR-M277 IMAGER also becomes a powerful workgroup facsimile, offering advanced features such as duplex scanning, F-code communication, ledger-size reception and more. Ideal for high-volume faxing, the AR-M277 IMAGER can also broadcast up to 200 destinations and can store up to 500 auto numbers, all of which can be managed through the touch-screen display.



The Super G3 Fax Module also offers a powerful LAN fax function that allow users to transmit documents right from their desktop PC! With Sharp's intuitive fax driver, sending a fax from your desktop is as easy as printing a file.



The animated touch-screen LCD display makes the AR-M277 IMAGER incredibly easy to operate.



Powerful Features for Increased Security

Sharp's Layered Security Approach Protects Your Business at Every Level

To help secure your electronic documents and restrict access, the AR-M277 IMAGER offers several levels of network and data security to ensure unauthorized personnel cannot intercept valuable data. A leader in office equipment security, Sharp enables IT professionals to safely deploy digital copying, printing, scanning and faxing—in any business or government environment.

- To protect your printed documents from unauthorized viewing, the AR-M277 IMAGER offers a **Confidential Print** feature, which requires users to enter a PIN code in order to print their queued document (Available with AR-P17 Print Controller).
- To protect your network from unauthorized e-mail communications, the AR-M277 IMAGER supports **User Authentication** which requires users to log in before performing any network scanning operations (Available with AR-P17 Print Controller and AR-NS2 Network Scanning Kit).
- To restrict access to the AR-M277 IMAGER on your network, the IMAGER Home Page offers **IP/MAC Address Filtering** and protocol control (Available with AR-P17 Print Controller).

- To protect your data, you can add the optional **Data Security Kit**. The Data Security Kit sanitizes the memory in your AR-M277 IMAGER by overwriting the document data, offering an unprecedented level of assurance (Available January 2004).

These scalable security offerings aim to protect your intellectual property and preserve confidential information by enabling you to meet regulatory requirements, such as the Health Insurance Portability and Accountability Act (HIPAA) and the Gramm Leach Bliley Act (GLB). For additional information visit www.sharpusa.com.



IP/MAC Address Filtering enables you to restrict access to the network.

Sophisticated Software Solutions to Increase Productivity

Sharp's Administration Utility Suite

To help you manage the great features that the AR-M277 IMAGER has to offer, Sharp has designed the **Administration Utility Suite**, a collection of easy-to-use software that can simplify the installation, monitoring and use of the AR-M277 IMAGER.

- Get advanced web-based management for both user and administrator-level access with the **AR-M277 IMAGER Home Page**. Users can manage their own network scanning destinations and profiles, as well as access custom web links such as **My Sharp**, a dedicated customer-care website that offers solutions, resources, and information specific to your AR-M277 IMAGER. The administrator-level access provides device configuration, network settings, IP filtering, and protocol control—right from the convenience of the desktop.



- **Printer Administration Utility** helps IT Managers speed up installation and configuration of printers on the network—as well as monitor any SNMP-compliant printer on the network—right from their desktop.
- Network users can view printer conditions through the **Printer Status Monitor's** easy-to-use interface. Check paper levels, toner and more before you send your job.
- IT Managers and Authorized Sharp Dealers can automatically receive e-mails regarding their AR-M277 IMAGER with **Sharp's Remote E-mail Diagnostics**.

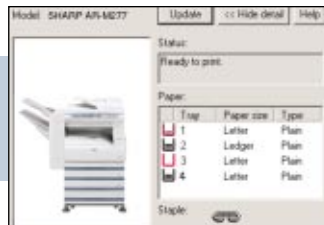
The Sharp Administration Utility Suite



IMAGER Home Page



Printer Administration Utility



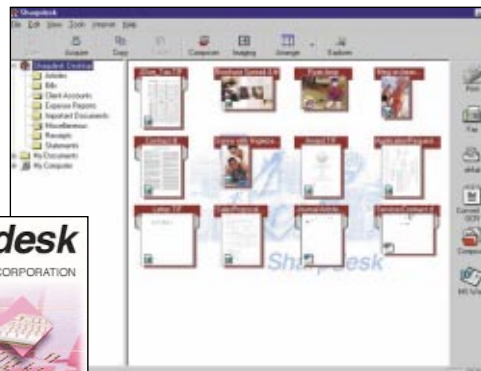
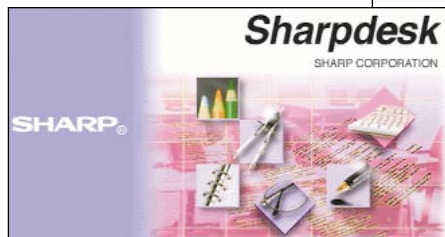
Printer Status Monitor



Remote E-Mail Diagnostics

Powerful Document Management with Sharpdesk™

Powerful, flexible and intuitive, Sharpdesk enables you to easily integrate scanned documents into your everyday workflow. The interface is familiar and easy to use and allows you to view document thumbnails in over 200 file formats. Easy-to-use tools help you organize, edit—even combine scanned files—for maximum productivity.



Copier Specifications AR-M277 IMAGER

| | |
|----------------------------------|---|
| Type: | Digital duplex copier-based MFP |
| Standard Functions: | Copy, PC Print |
| Optional Functions: | Network Printing, Network Scanning, Super G3 Fax |
| Copy System: | Dry electrostatic transfer system |
| Originals: | Sheets, bound documents |
| Original Size (Max): | 11" x 17" |
| Copy Size: | Min. 5 1/2" x 8 1/2", Max. 11" x 17" |
| Copy Speed: | 27 copies per minute (8 1/2" x 11") 18 copies per minute (8 1/2" x 11" R) 16 copies per minute (8 1/2" x 14") 14 copies per minute (11" x 17") |
| Continuous Copy: | Maximum 999 copies |
| First Copy Out Time: | 4.8 seconds or less |
| Warm Up Time: | 23 seconds or less |
| Zoom Range: | 25% to 400% in 1% increments (with RSPF 50%-200%) |
| Fixed Zoom Mode: | 25%, 50%, 64%, 77%, 100%, 121%, 129%, 200%, 400% |
| Exposure System: | Fixed optical source, slit exposure (stationary platen) with automatic exposure |
| Original Feed System: | Standard: 100-sheet reversing single pass document feeder (RSPF) with stream feeding mode, mixed letter/legal size original detection, and mixed (lateral feed) letter/ledger original size detection. |
| Paper Feed System: | Standard: (2) 500-sheet paper cassettes Standard: (1) 100-sheet manual bypass tray Optional: (1) 500-sheet paper feed unit or (1) 1000-sheet paper feed unit (500 x 2) |
| Paper Type: | Paper Cassettes: 15-21 lb. standard or recycled bond, or 21-28 lb. special paper. Bypass Tray (multi-sheet feed): Up to 100 sheets 14-21 lb. standard or recycled bond paper, up to 40 sheets for OHP film and labels, up to 30 sheets for 21-54 lb. thick paper, up to 5 sheets for envelopes (#10), Bypass (single-sheet feed tray): 14-34 lb. standard or recycled bond paper, OHP, labels, and thick paper up to 54 lb. |
| Memory (total): | 48 MB total (includes electronic sorting), up to 1,024 MB option |
| Electronic Sort shared Function: | Up to 100-sheet electronic sorting (shared memory), group copy, rotation copy, 2-in-1 copy / 4-in-1 copy, edge erase, center erase, and margin shift |
| Copy Resolution: | Scan: 600 dpi; Copy output: 1,200 dpi |
| Exposure Modes: | Super photo mode: 1,200 dpi, Photo mode: 600 dpi, Auto exposure: 600 dpi |
| Halftone: | 256 gradations/2 levels |
| Copy Features: | Scan-Once Print-Many, electronic sorting, Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), auto tray switching, memory copy, manual zoom, job build, split scan, booklet copy, multi-shot, reverse image, cover page, department control, job programs, auditor/coin vend ready, toner save mode, and total counter |
| Department Control: | 100 profiles |
| Job Programs: | 10 profiles |
| Output Tray Capacity: | Main output tray 500 sheets (face down), 100 sheets in optional Job Separator Tray, and 1,000 sheets in optional finisher (output tray is user selectable) |
| Offset Stacking: | Standard paper shifter for main output tray |
| Power Requirement: | AC 120 V, 60 HZ, 12 Amps |
| Power Consumption: | Maximum 1,400 W, pre-heat 90 W, sleep mode 1 W |
| Weight: | Approximately 112 pounds |
| Dimensions: | 24.5" (w) x 23.9" (d), x 30.9" (h) |

Design and specifications subject to change without notice.

This machine has been tested for conformance with US government Section 508 legislation regarding accessibility. For additional information visit www.sharppusa.com.



As an ENERGY STAR® Partner, SHARP has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

JBIG Speed-Enhanced Printer Function (standard)

| | |
|--------------------|---|
| Emulation: | Sharp SPLC host-based with JBIG compression |
| Resolution: | 600 dpi, 1200 x 600 dpi (enhanced) |
| Print Speed: | 15 pages per minute (single print mode), 27 pages per minute (ROPM mode) |
| Operating Systems: | Windows® 95/98/ME, NT4.0, 2000, XP |
| Memory: | Shared |
| Features: | Two sided printing, N-up printing, paper source selection, output tray selection, fit to page, image adjustment, watermarks, smoothing, photo enhancement, and ROPM |
| PC Interface: | Standard: IEEE 1284 (ECP) parallel port, USB 2.0 port |

AR-P17 Print Controller (optional)

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|----------------------|--|
| Emulation: | PCL6 (XL), PCL5e, PS3 (optional) |
| Resolution: | 1,200 dpi, 600 dpi, 300 dpi |
| Print Speed: | 27 pages per minute |
| Operating Systems: | Windows 95/98/ME, NT4.0, 2000, XP, MAC OS 8.6 through 9.x, MAC OS 10.1 or later |
| Software: | Print driver, Printer Status Monitor, Printer Administration Utility, PC fax driver ¹ |
| Memory: | 64 MB standard, expandable to 320 MB |
| RIP-Once Print-Many: | Yes (managed by host machine) |
| Features: | Binding edge, N-up printing, different cover page/last page, transparency inserts, carbon copy print mode, continuous printing, overlay, fit to page, watermarks, PIN printing, print hold, proof print, print auditor, print smoothing, offset print, font/form downloads, and direct print function ² |
| PC Interface: | Standard: IEEE 1284 (ECP) parallel port, USB 2.0 port |

Network Support

| | |
|---|---|
| Hardware Interface: | RJ-45 Ethernet connection |
| Type: | 10/100 BaseT |
| Network Operating Systems: ³ | Windows 95/98/ME/XP Professional/NT4.0/2000/2003 Server, Sun Solaris 2.3 to 2.5/2.6, HP-UX 9.x/10.x, AIX 4.x.x, BSD Linux, Unix, Novell Netware 3.x/4.x/5.x/6.0, MAC OS |
| Network Protocols: ³ | TCP/IP for Windows, Novell, Apple/Macintosh, and Unix environments, IPX/SPX for Novell environments, and AppleTalk for Macintosh® environments |
| Printing Protocols: ³ | LPR, IPP, Raw TCP (port 9100), HTTP, Novell NDS/ PServer/Rprinter (Bindery)/NDPS (TCP/IP) |
| Network Security: | IP/Mac Address Filtering, protocol enable/disable |

AR-NS2 Network Scanning Kit (optional)⁴

| | |
|-----------------------|---|
| Type: | Flat bed monochrome scanning system |
| Original Feed System: | Platen/document feeder, simplex/duplex with RSPF feeds up to 39 opm |
| Resolution: | 200 dpi, 300 dpi, 600 dpi |
| Image Format: | TIFF 6.0, ITU-T G3/G4 TIFF, G3/G4 single/multi-page PDF |
| Scan Destinations: | E-mail, Desktop, FTP, URL |
| Destination Profiles: | Up to 200 |
| Operating System: | Windows 95/98/ME, 2000, XP |
| Network Protocols: | TCP/IP (includes SMTP, LDAP, FTP) |
| Network Security: | E-mail server user authentication |
| Software: | Sharpdesk Document Management Software (included) |

AR-FN5N Finisher (optional)

| | |
|-------------------|--|
| Output Trays: | 2 trays, face down |
| Output Capacity: | Lower tray: 1,000 sheets (letter size), Upper tray: 100 sheets |
| Stapler Function: | 30 sheets maximum, 1 position front side corner |
| Weight: | Approximately 41 pounds |
| Dimensions: | 15.5" (w) x 20.11" (d) x 21.25" (h) |

AR-FX7 Super G3 Fax Kit (optional)

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|---------------------------|--|
| Transmission Mode: | Super G3, G3 |
| Modem Speed: | 33.6 KBPS ⁵ |
| Compression Methods: | JBIG, MMR, MR, MH |
| Scanning Method: | Sheet fed simplex or duplex or book |
| Max. Transmit Resolution: | 400 dpi (ultra-fine) |
| Transmission Speed: | Approximately 2 seconds with JBIG ⁵ |
| Auto Dialing Methods: | 500 auto/group dial destinations |
| Group Dialing: | Up to 200 destinations |
| Broadcasting: | Up to 200 destinations |
| Programs: | 8 profiles |
| Department Control: | 100 profiles |
| Memory: | 2 MB standard/10 MB max. (8 MB option) |
| Halftone: | 256 levels |
| Timer Functions: | Up to 50 jobs |
| Features: | F-Code transmission/reception, confidential communication, quick on-line transmission, anti-junk fax reception, out of paper memory reception, and PC faxing |

Optional Equipment

| | |
|-----------|---|
| AR-D21 | 500-sheet x 1 drawer paper feed unit |
| AR-D22 | 500-sheet x 2 drawers paper feed unit |
| AR-FN5N | 1,000-sheet finisher/30 sheet stapler |
| AR-TR3 | Job Separator tray |
| AR-P17 | PCL6 Print Controller with network interface |
| AR-PK1N | Postscript Level 3 Kit ^{3,4} |
| AR-NS2 | Network Scanning Kit ^{4,6} |
| AR-NC5J | Network Interface Card (protocol expansion) |
| AR-FX7 | Super G3 Fax Kit |
| AR-MM9 | 8 MB fax upgrade memory |
| AR-PF1 | Bar Code Font Kit ⁴ |
| AR-PF2 | Macro Font Flash ROM Kit ⁴ (available late 2003) |
| AR-237ABL | Low Stand (for use with 3 or 4-tray configuration) |
| AR-237ABH | High Stand (for use with 2-tray configuration) |

Supplies

| | |
|----------|-----------------|
| AR-270MT | Toner Cartridge |
| AR-271MD | Developer |
| AR-271DR | Drum Cartridge |

¹ Requires optional AR-FX7 Super G3 Fax Kit.

² Requires AR-PK1N.

³ Certain network operating systems and protocols may require optional AR-NC5J NIC; see your local authorized Sharp dealer for details.

⁴ Requires AR-P17 Print Controller.

⁵ Based on ITU Test chart #1 in standard resolution, actual transmission time will vary based on line conditions.

⁶ Requires 128 MB memory upgrade on AR-P17.