



FEATURES

- **Controls upto 32,000 converters**
- **Multi-User/ Multi-Tasking Operation**
- **Automated Channel Control**
- **Starfone Impulse Module Controller**

INTRODUCTION

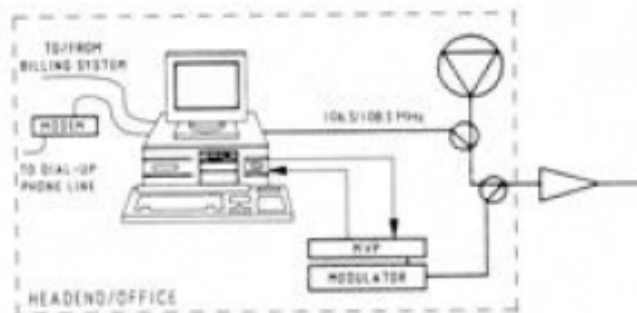
The Jerrold Addressable Control Computer (Model ACC-2000) provides central control of individual subscriber services. The ACC-2000 system includes the computer associate peripheral and a state-the-art software package. The ACC-2000 is the heart of the addressable system, whose components include the addressable converter/descramblers data path equipment, scramblers and addressable control computer. Located at either the office or the headend, the ACC-2000 can authorize specific program material or a group of programs for all one way converters or for STARFONE-equipped converters installed within the cable system. Also, the ACC-200 will support DCR tuners.

MODEL ACC-2000

The addressable system transmits two types of information to the converter:

- A unique identification code carried within each scrambled channel (service or tag) to identify specific groups of programs. The scrambler/encoder or each secured premium channel transmits this information.
- An authorization message for each converter installed in the system. This message lists services codes (tags) authorized for every individual converter. A separate RF carrier transmits the message for each address.

These two signals are compared by the converter if there is a match between the two then the converter's descrambler activates. Conversely, if a match is not realized, the subscriber is not allowed to receive the program. The ACC-2000 maintains the list of addresses and their individual authorizations.



ONE WAY CONTROL

The ACC-2000 provides an economical means to control one-way subscription service and impulse ordering data via the telephone return path. The standard configuration controls up to 32,000 addressable converters. The enhanced 80X86 computer is the base for the ACC-2000. The standard configuration includes a 52 MB hard-disk drive, 3.5-inch and 5.25 inch floppy disk drives and a 4 MB of internal RAM memory. The base 80X86 computer is a 16-bit machine operating at an internal clock speed of 20 MHz. The ACC-2000 includes a color VGA monitor, eight-port multiplexor, diagnostic modem, and a custom Jerrold Communications cable interface. The system supports an interface to a billing computer or may be operated in a stand-alone mode. The billing interface, also known as wirelink, uses the same format as the Jerrold AH-4E or AI-O controller. In a stand-alone mode, the subscriber data base may contain optional specific information on each subscriber, including account number, name, address and phone number. Any of these data base keys can be used to generate reports.

OPERATOR FRIENDLY

The user-friendly software requires no special computer knowledge. Subscriber information is entered or changed through one or more operator CRTs. Automatic default values for entries that seldom change keep data entries minimal. A full converter data base includes authorized channel packaging, pay-per-view events, channel mapping, converter status, barker channels, time-of-day broadcasts and converter feature enable/disable records. Information contained within the ACC-2000's data base is continuously transmitted to converters by the cable interface board, which formats and transmits the addressable data stream. The cable interface contains an RF data modulator that can be switched to either 106.5 or 108.5 MHz. The Acc-2000's cable interface board also contains the base band data input and output ports for communicating to either remote headend locations or remotely controllable MVP scramblers.

ACC-2000 SOFTWARE

The ACC-2000 software is Xenix™-based, providing a multi-tasking, multi-user control system. The password-controlled user software organizes into two operational modes on- or off-line. The online mode controls all converter addressing functions, initializations, access to converter and subscriber information, impulse pay-per-view event schedules and MVP channel programming functions. The off-line mode allows creation and restoration of data base files and definition/modification of system-wide configuration information..

IMPULSE ORDERING

The ACC-2000 provides an effective impulse ordering management system. Standard dial-up phone lines from Jerrold STARFONE-equipped converters collect store-and-forward impulse purchases. STARFONE data collection modems are optional with the ACC-2000. Purchase information is collected and stored in a batch file for transfer to the host billing computer over the wire link. The ACC-2000 allows schedules for multiple impulse pay-per-view channels to be entered via modem.



SPECIFICATIONS

STANDARD SYSTEM CONFIGURATION	OPTIONAL EQUIPMENT LIST
<ul style="list-style-type: none">• 80486S• VGA monitor and adapter card• 4 MB RAM Memory• 52 MB Hard Disk• Sytem Clock• 3.5" floppy disk drive• 5.25" floppy disk drive• One serial and parallel port• Eight Port multiplexor• Diagnostic modem	<ul style="list-style-type: none">• Up to 16 communication ports• Additional operator CRTs• 1200 baud modem• 2400 baud modem• Intelligent UPS• STARFONE modems
POWER REQUIREMENTS	SOFTWARE SUPPLIED
<ul style="list-style-type: none">• 5 amps, 115 VAC	<ul style="list-style-type: none">• ACC-2000 system software• Santa Cruz Xenix™ System V**• Billing interface software• STARFONE impulse ordering software