



## ***ComSched for Windows<sup>®</sup>***

***ComSched for Windows<sup>®</sup>*** is a satellite-equipment scheduling program intended to run on a dedicated IBM-compatible personal computer which is electrically connected to one or more EC8 or CTI-850 satellite antenna controllers.

***ComSched for Windows<sup>®</sup>*** is designed to control the following equipment:

- One or more (up to sixteen) motorized satellite antennas. Each motorized axis must be equipped with a position sensor such as an optical encoder or potentiometer.
- One or more (up to sixteen) motorized feedhorns, one per antenna. Each feedhorn must be equipped with an optical encoder or potentiometer.
- One or more (up to four) EC8 or CTI-850 Satellite Antenna Controllers.
- One or more satellite receivers. Compatible satellite receivers include:
  - Drake ESR-1250, ESR-1252, ESR-1255
  - Scientific Atlanta 7500, 7530, PowerVu
  - Standard MT810, MT830, MT930B
  - Tandberg AlteiaReceivers of different types may be intermixed within a single control unit.

***ComSched for Windows<sup>®</sup>*** allows the user to set up and execute a schedule of future events, called the MASTER SCHEDULE. Several hundred "events" can be stored on disk. Each event may consist of any or all of the following:

- Move any antenna to any specified satellite.
- Adjust the antenna feedhorn to the proper polarization.
- Assign receiver settings (transponder number, visual carrier frequency, aural subcarrier frequency, C/Ku input relay, and H/V input relays).

***ComSched for Windows<sup>®</sup>*** automatically executes events in chronological order, so events may be entered in any random order.

***ComSched for Windows<sup>®</sup>*** allows the user to adjust the antenna and the receivers directly from manual control screens.

***ComSched for Windows<sup>®</sup>*** is configured to run on an IBM-compatible Personal Computer (PC). Two PC options are available:

- The PC can be supplied by the user. The PC must be equipped with keyboard, monitor, mouse, accurate on-board time-and-date clock, hard disk drive, floppy disk drive, Microsoft ***Windows<sup>®</sup> 95*** (or later), and at least one serial communications port.
- A rack-mounted PC, with 14" rack-mounted color monitor, is available from CTI.

***ComSched for Windows<sup>®</sup>*** operates over an electrical connection called the Remote Serial Link (RSL) between the PC and the controller. This link can be implemented with any of the following circuits:

RS-232

RS-422

RS-485

Telephone line, either leased or dial-up

A two-wire full-duplex audio circuit

A pair of subcarriers on a microwave STL

***ComSched for Windows<sup>®</sup>*** and ***ComTrack*** can be used together on the same antenna. Any satellite for which ***ComTrack*** has been allowed to establish a tracking history can be scheduled in the ***ComSched for Windows<sup>®</sup>*** MASTER SCHEDULE. Whenever ***ComSched for Windows<sup>®</sup>*** moves the antenna to the satellite, ***ComTrack*** takes over and uses the stored historical information to locate the satellite.

