



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

On special order, *ComSched for Windows<sup>®</sup>* can be customized to control a wide variety of additional devices. Special versions of *Customized ComSched for Windows<sup>®</sup>* can be designed to control just about any kind of electronic equipment. Examples of possible applications include:

- Control of VTRs and VCRs. Depending on the type of control interface provided by the manufacturer of the VTR/VCR, it can be controlled by an RS-422 connection or by relays. Relays can be closed momentarily to simulate pressing a button, or held open or closed indefinitely.
- Control of audio/video routing switchers. Routing switchers can be controlled explicitly or implicitly. With **explicit** control, switcher SOURCE and DESTINATION appear as separate columns in the MASTER SCHEDULE. With **implicit** control, *ComSched for Windows<sup>®</sup>* deduces the SOURCE and DESTINATION from other scheduled information.

*A common example of implicit control occurs when a routing switcher is used to connect a group of satellite receivers with a group of VTRs and VCRs. In this case, ComSched for Windows<sup>®</sup> automatically directs the switcher to connect the output of the scheduled receiver to the input of the scheduled VTR/VCR.*

- Control of coaxial relays or coaxial switchers. Coaxial control can be explicit or implicit. With **explicit** control, a dedicated column appears in the MASTER SCHEDULE. With **implicit** control, *ComSched for Windows<sup>®</sup>* deduces the correct relay and switcher settings from other scheduled information. In multiple-antenna installations, elaborate "trees" of relays can be controlled implicitly.

*A common example of implicit control occurs when a coaxial switcher is used for LNB switching at the input to a group of satellite receivers. In this case, ComSched for Windows<sup>®</sup> selects the LNB which matches the scheduled transponder.*

- Control of scan converters and similar devices such as digital video decoders. Control can be explicit or implicit. With **explicit** control, a "SCAN" column appears in the MASTER SCHEDULE. With **implicit** control, *ComSched for Windows<sup>®</sup>* deduces the scanning standard from the scheduled satellite and transponder information.
- Control of satellite receivers not accommodated in the standard version of *ComSched for Windows<sup>®</sup>*. Control can be implemented over RS-232, RS-422, or parallel BCD links.

Special versions of *Customized ComSched for Windows<sup>®</sup>* can be designed to monitor equipment (and report alarm conditions) at unattended antenna sites. Examples of possible applications include:

- Status monitoring of audio/video routing switchers. The switcher is represented by a graphical grid; each closed crosspoint is represented by an "X".
- Status monitoring of support equipment. Such equipment can include:
  - Dish heater status.
  - Heating and air conditioning equipment.
  - Room air temperature.
  - Tower lighting on/off status.
  - Door and gate position.
  - Utility power status and voltage.
  - Heat, smoke, and fire alarms.
  - Standby generator status and fuel level.
- Alarm reporting. *Customized ComSched for Windows<sup>®</sup>* can be configured to report alarm situations in a variety of ways:
  - A text message on the PC.
  - A text message to a fax machine.
  - A text message to an alphanumeric pager.
  - A synthesized-voice telephone message.
- Logging. *Customized ComSched for Windows<sup>®</sup>* can be configured to maintain a log of all status monitoring and alarm activity.

# CTI Downlink Automation System

