**INSTAPLAY™ Digital Announcer / Message Controller**

**Instaplay™ records, digitizes, stores, and broadcasts high quality, non-volatile audio and text messages.**

Use Instaplay for:

- Audio Messages
- Signage control
- Triggered Events
- Scheduled Events
- Repeating Events
- Prioritized Events

**INSTAPLAY™** provides innovative solutions for the ‘real life’ requirements of message announcing.

- **Local recording** from a microphone, live Aux input, or pre-recorded productions.
- **Remote recording** and control over a dial-up telephone line, satellite link, duplex radio channel, or Ethernet.
- **Digital download** of audio and text messages from Serial or Network communications.
- Each message can be individually replaced at any time. The new recording can be longer or shorter than the original.
- Instaplay does not restrict the use of **recording capacity**. Messages can be audio or text in any combination. Each audio message can be as much as 30 minutes; text messages can be up to 128 characters.
- Playlists can be **triggered by contact closure**, DTMF tones, or with the Scheduler, Serial Link, or Ethernet options. Either a single message or sequence of actions can be initiated.
- Programming is easy with a touchtone telephone – simply respond to the pre-recorded instructions. Or program Instaplay with ASCII commands from a serial or Ethernet connection. Or program your PLC for control.
- Instaplay can easily be **tailored by the installer** to run in the correct mode for many diverse situations. For example, we may want the announcer to ignore a youngster’s repeated pressing of the “PLAY” button at a museum display. Other applications, such as hospital code blue announcements or emergency evacuation may require an immediate abort if a higher priority message is requested.
- Instaplay can **repeat a playlist** up to 9 times or continuously until reset.
- **Live announcements** can override both background music and normal announcing.
- Continuously runs from primary or backup power source.

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INSTAPLAY™ Technical Specifications

CONTROL
INSTAPLAY uses contact closure inputs or DTMF tones, along with the optional Scheduler, the optional RS-232/USB port, or the optional Ethernet port to select which playlist to run.
- 4, 8, or 16 physical contact closure inputs with virtual control
- Up to 30 physical contact closure inputs with 2 Instaplays that each have the -2R option
- Optionally 32, 64, or 128 virtual control inputs

CAPACITY
- Up to 3 hours of recording time
- 500 variable-length audio or ASCII messages
- Up to 300 Playlists

PROGRAMMING
ON SITE — A touch-tone phone can be used to enter commands, with responses in spoken English. Optionally, a computer can be attached through a 38400 baud RS-232 serial port or USB port.
REMOTE — Optional programming over a dial-up telephone line with voice prompts, half- or full-duplex radio with voice prompts, or via an Ethernet connection.

MESSAGE RECORDING
ON SITE — Messages can be recorded from a telephone handset, a microphone, or loaded from the output of an audio tape, CD, or MP3 player.
REMOTE — With the Telephone Control or Radio Control options, messages can be recorded remotely.
DIGITAL — With the Serial Link or Ethernet options, audio and text messages can be downloaded to Instaplay.

PLAYLISTS
Playlists can contain audio or text messages, relay commands, volume commands, output channel selection, live input stream selection, variable message spacing, and activation or deactivation of Virtual Control Inputs.

OPERATIONAL CONTROL
When a Control Input is triggered from a dry contact closure (or with DTMF commands, ASCII commands, or by the optional Scheduler), the corresponding playlist is executed. Behavior of Instaplay's Control Inputs can be programmed to suit the specific application. The installer or customer can easily choose to have a Contact Closure:
- Queue all requested playlists or queue only new ones
- Cancel all currently queued or running playlists and start the requested one
- Have a priority status
- Execute each playlist up to 9 times or indefinitely until the condition is reset
- Cause a particular Control Input to STOP all message announcing
- Cause a particular Control Input to synch the clock
- Cause a particular Control Input to override all other activity

RELAY OUTPUTS
One Standard Relay is automatically energized during announcements.
Up to 8 programmable relays are available. Relays can be controlled from playlists or directly with DTMF tones or ASCII commands.

OPERATIONAL POWER
AC — 12 to 16 VAC
DC — 12 to 24 VDC (Can instantaneously switch to backup battery)
Optional remote notification on loss of AC power with the Auto-Dialer option.

AUDIO INPUTS
Aux Input — For line-level recording
Microphone Input (on 8- & 16-input models) — Standard 3-pin XLR Low Impedance, Balanced or optional 5-pin Push-to-talk system.

AUDIO OUTPUTS
Output Format — Line Level or 8 ohm Speaker Driver
One standard; Up to 7 available. Each volume level can be adjusted automatically from playlists or with DTMF tones or ASCII commands. With the Scheduler option, volumes can be automatically changed at various times / days.

MESSAGE STORAGE
Storage Format — Non-volatile, solid state. High quality 16-bit sample size; 11, 22, or 44kHz Sampling Rate.

PHYSICAL / ENVIRONMENTAL / WARRANTY
Industrial Grade — Operates from -40° to +85°C (-40° to +85°F)
Dimensions — 1-3/4" H x 15-3/4" W x 10-1/2" D
Mounting — Rack- (1U) or Wall-Mount brackets available
Warranty — 1 year parts and labor
**INSTAPLAY™ OVERVIEW**

Instaplay is a non-volatile digital message repeater that is normally used to broadcast pre-recorded audio and/or text messages whenever one of its control inputs is activated. Each Control Input has a corresponding playlist, which are at the heart of Instaplay's flexibility.

Playlists control, coordinate, and organize the playing of messages. Playlists can also control the spacing between events, select audio output channels, change the audio output volume, and invoke other playlists to run.

**Standard features** include:

- 500 non-volatile messages
- Up to 3 hours of recording capacity (depending on model)
- User-recorded or Digitized professional messages
- User-definable Rules of operation
- 4, 8, or 16 Control Inputs that can be prioritized
- Control Inputs that can be physically triggered or virtually activated
- Relay output for the duration of each message
- Background music playthrough
- Live audio feedthrough (Emergency Override)
- Pre-announcement tones
- Automatic transfer from primary AC to secondary DC power

Playlists can be activated from a Control Input, from another Playlist, or from DTMF tones from Instaplay's Control Phone.

Optionally, remote activation can be from DTMF tones using a remote telephone, DTMF tones over a two-way radio, ASCII commands over an RS-232 interface, or ASCII commands over an Ethernet interface.

**Optional features** include:

- Text messaging
- Up to 7 Audio Output Channels
- Up to 8 Programmable Relays
- Remote Telephone Control
- Remote Telephone Control with Automatic Out-Dialing
- Scheduler
- Serial Link / USB communication (now with Text Messages and Sign Control)
- Ethernet communication (now with Text Messages and Sign Control)
- Two-way Radio Control
- Up to 128 Virtual Control Inputs
- Push-to-talk Microphone
**SUMMARY OF INSTAPLAY™ OPTIONS**

**AUDIO OUTPUT CHANNELS (-2C, -3C, or -7C)**

The "-xC" option provides the ability to announce messages over any combination of available audio output channels. Volume levels can be independently set for all channels.

**PROGRAMMABLE RELAYS (-2R, -4R, or -8R)**

The "-xR" option provides up to 8 relays that can be controlled from playlists, with DTMF commands (either Locally or Remotely), or from ASCII commands over an RS-232 Serial Port or an Ethernet Port. Annunciators can be programmed to allow all relays to function as required.

**TELEPHONE CONTROL (-TC)**

With the "-TC" option, your Instaplay units can be connected to a standard analog telephone line, thereby eliminating the need for on-site personnel. Remote recording, programming, and status reporting can be accomplished from any location with telephone or cellular service. Various security options determine how Instaplay will respond to incoming calls, which can include a Customer-defined greeting.

**TELEPHONE CONTROL with AUTO-DIALER (-TCA)**

Telephone Control with AutoDialer allows for both incoming and outgoing calls. In addition to allowing a user to remotely connect to and control Instaplay, this option allows Instaplay to initiate outgoing calls to inform remote users of critical conditions.

**SCHEDULER (-SC)**

With the "-SC" option, your Instaplay can run Playlists at scheduled times. On a daily, weekly, or hourly basis, Playlists can be scheduled to play messages or automatically change machine parameters, such as message spacing or output volume. Instaplay's Scheduler includes a 365 day calendar. Scheduled entries and Control Inputs can be combined and inter-mixed on a relative priority basis to determine which event should take precedence.

**SERIAL LINK / USB (-SL)**

With the "-SL" option, Instaplay can be controlled from a PLC or a computer's Serial or USB port –or– it enables Instaplay to control and display text messages on digital signs or displays. Audio files can be downloaded, individual commands can be executed, or a text file containing commands, playlists, text messages, and schedules can be sent from the PC to the Instaplay.

**SERIAL LINK with VIRTUAL CONTROL INPUTS (-SLV32, -SLV64, or –SLV128)**

With the "-SLV" option, up to 128 virtual control inputs can be activated with ASCII commands from a PLC or a computer's serial or USB port.

**NETWORK (-NT)**

With the "-NT" option, an Instaplay on your Ethernet network can be controlled from your PC or send messages to be displayed on signs. Audio files can be downloaded, individual commands can be executed, or a text file containing commands, playlists, text messages, and schedules can be sent from the PC to the Instaplay.

**NETWORK with VIRTUAL CONTROL INPUTS (-NTV32, -NTV64, or –NTV128)**

With the "-NTV" option, up to 128 virtual control inputs can be activated with ASCII commands from a computer or PLC over an Ethernet connection.

**RADIO CONTROL (-RC)**

With the "-RC" option, Instaplay units can be remotely programmed and controlled with a half- or full-duplex radio, thereby eliminating the need for on-site personnel. This option allows remote recording, programming, and status reporting on any individual Instaplay within broadcast range even if telephone lines are down.

**PUSH-TO-TALK MIC CONNECTOR (-PTT)**

With the "-PTT" option, Instaplay is configured with a 5-pin XLR microphone connector. The microphone’s push-to-talk button activates Instaplay to permit a live broadcast that overrides any triggered or scheduled announcements.