

# Inscriber<sup>®</sup> G-Channel<sup>™</sup> — Information Channel Solution



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## Captivating Information Channels at Your Fingertips

Inscriber G-Channel is the only choice for creating, managing and delivering captivating 24-hour automated information channels. Combining high quality graphics, animations, audio, video and real-time external data feeds with easy drag and drop functionality, Inscriber G-Channel is the ideal solution for real estate showcase channels and automated music, news and shopping channels. Inscriber G-Channel is SD/HD switchable, making it simple to provide graphics-intensive 24-hour automated broadcast channels in HD or SD.



### Flexible Content Creation

Create information-rich channels with multiple overlapping zones integrating information from completely different sources for each zone – all at the same time. From video, to live streaming data, to sophisticated graphics you can use the mix that best suits your channel's needs. Cater broadcasts to specific audiences by creating custom content such as local news, community events, transit delays and advertising.

### Real-time Information Updates

Keep your viewers informed of breaking news, the latest sports scores, real-time stock information and weather updates. Inscriber G-Channel can broadcast live data feeds directly from various sources including ODBC databases, RSS (Rich Site Summary or Really Simple Syndication) feeds, SMS messages, XML files and text files. Time-sensitive data is updated directly on-screen.

### Advanced Functionality

Conditional Playback permits both hardware and user defined triggers to cause changes to occur in the display.

The new Squeeze-back feature allows you to use your screen space effectively. When triggered, Squeeze-back reduces what is on full screen to a smaller sized region and when triggered again, returns it to its original size.

Create fully automated channels that deploy the latest content at specified times. Schedule each zone independently to update or change as needed for easy management and maintenance.

### Schedule Manager

Schedule Manager is a new application that works with G-Channel to provide a visually intuitive interface for viewing, editing and disabling InfoCast sequences. Snapshot views by week, day and second provide increasing detail of upcoming events. Each view displays a preview of the scheduled InfoCast and allows you to edit all sequence settings including dates, duration, days played, timing and transitions. View graphic representations of conditional playback sequences and query Schedule Manager for event playback information.

### Design Essentials

Inscriber G-Channel has the easiest and fastest user interface available. Create a compelling on-air brand by quickly arranging or overlapping multiple layers of design elements including graphics, analog and digital clocks, video clips, live video, animations, rolls, crawls and text. Inscriber G-Channel provides unparalleled graphics creativity, composition and playback and includes the award-winning TitleMotion graphics tool for creating stunning custom animations and graphics.

### Complete and Scalable Solution

From content creation to broadcast, Inscriber G-Channel has everything you need for a successful information channel. When combined with Network Manager, an efficient way to manage the deployment of your channel, Inscriber G-Channel becomes a scalable broadcast solution. Using TCP/IP-based content management, Network Manager provides a flexible distribution method and a cost effective way to expand your audience. Control completely unmanned regional and cable head stations using Network Manager.

# Customer Profile



## SBS Broadcasting

SBS Broadcasting, a European commercial television and radio broadcasting company that broadcasts to numerous countries throughout Western and Central Europe, used Inscrber G-Channel to launch its new interactive music video channel, The Voice, for Pan-European broadcasting.

SBS Broadcasting was impressed with Inscrber G-Channel's automation capabilities and the associated cost savings. "Inscrber G-Channel offers us an incredible new method to automate broadcasting. Using G-Channel's IP-based model means we will save substantially on the traditional distribution costs usually associated with television," commented Robert Stahl,

Vice President IT & Broadcast for SBS Broadcasting and Technical Director of The Voice TV Networks.

The Voice music channel has proved popular with viewers who enjoy the interaction of voting for their favorite video using their mobile phone.

## Specifications

### Chassis

- 3U rack mount
- Rack rails included
- Height: 5.25" (13.35 cm)
- Width: 19" (48.26 cm)
- Depth: 25.5" (59.69 cm)
- Weight: 45 lbs (20.41 kg)

### Backpanel PC I/O

- MS optical PS/2 mouse
- 104-key system PS/2 keyboard
- 1.44 MB floppy drive
- Four USB 2.0 ports
- Two Gigabit Ethernet ports via RJ45
- One RS232 serial port via DB-9 connector dedicated for Temperature Probe

### Video Specifications

#### Supported Video Resolutions

Serial digital component 4:2:2 video @

- 1920x1080: /60i/59.94i/50i (SMPTE 274M)
- 1920x1080: /30p/29.97p/25p/24p/23.98p (SMPTE 274M)
- 1920x1080: /30psF/29.97psF/25psF/24psF/23.98psF (SMPTE 274M, RP211)
- 1280x720: /60p/59.94p/50p (SMPTE 296M)
- 720x486 (525): /59.94i (ITU-R BT601)
- 720x576 (625): /50i (ITU-R BT601)

#### Video Inputs

- One Serial Digital (SD/HD) Program/Frame Grab input: - 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mbps @ 525/625 and 1.485 Gbps for G3)
- One Serial Digital (SD/HD) Key Input: - 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mbps @ 525/625 and 1.485 Gbps for G1)
- One Analog Reference input: - Tri-level sync or blackburst - (terminated/non-terminated under jumper control)

#### Genlock

- HD/SD input or black burst (SD)/tri-level sync (HD)
- Auto timing of HD/SD inputs within +/- \_ line window

#### Input Levels

- SDI: 800mv P-P
- Analog Reference: 1V P-P Black Burst or 0.6V P-P for Tri-level sync

#### Input Impedance

- 75 Ohm

#### Video Outputs

- One Serial Digital (SD/HD) Program/Fill output: - 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mbps @ 525/625 and 1.485 Gbps for G3)
- One Serial Digital (SD/HD) Key output: - 4:2:2 SMPTE 259M and SMPTE 292M, 8/10 bit SDI (270 Mbps @ 525/625 and 1.485 Gbps for G1)

#### Output Levels

- SDI: 800mv P-P

#### Output Impedance

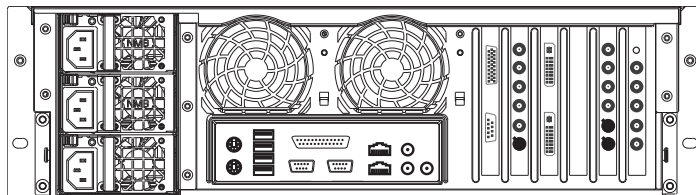
- 75 Ohm

#### Additional Features

- All internal video processing at 12-bits component 4:2:2:4
- Video and audio bypass on HD/SDI program input-to-output in the event of a power fail or application reset
- Shaped or unshaped fill signal processing
- Internal watchdog timer to ensure hardware stability
- Monitoring and signal status LEDs
- BNC connector on the audio paddle board



G-Channel System



G-Channel Backpanel

## Total Content Delivery Solutions that Deliver Results

With the broadest range of hardware, software and services spanning every segment of the content delivery chain, Harris is the leader in Total Content Delivery, providing solutions that drive our customers' strategic success and deliver business results. Scaling from individual point products to content delivery platforms, Harris solutions provide a streamlined workflow to enable customers to achieve greater productivity, reduced costs, new revenue streams and assured communications as they create, manage, distribute and deliver content to their consumers.

## Service And Support

At Harris, we are committed to customer service excellence. It is our goal to provide the highest level of support by applying a simple rule: We take ownership of helping our customers succeed. Our support teams consist of innovative technical experts who support all situations regarding product performance, integration and operational processing. We are adept at providing proven solutions, making workflows better and ensuring reliability of the product and system. At Harris, our experienced and dedicated teams stand ready to help you meet your goals for premium product performance, 100% up-time and reduced maintenance investment.

## Warranty

Because we want to assure you that Harris stands beside its products and system solutions, Inscriber products carry a standard set of warranty services, which are competitive with — and in some cases outperform — others in the industry.

## Service Packages

We offer value-add services that allow you to customize the level of services you need in meeting mission-critical performance levels. Our service package options offer many ways to upgrade your standard warranty by choosing the All-Inclusive OnePak, or by selecting individual services from our extensive portfolio. Our service and support advisors can assist in the selection of the individual services that best suit your requirements.

<b>Canada</b>	+1 800 387 0233
<b>USA East</b>	+1 800 231 9673
<b>USA West</b>	+1 888 843 7004
<b>Latin America and Caribbean</b>	+1 305 512 0045
<b>Europe</b>	+44 1344 446000
<b>France</b>	+33 1 42 87 09 09
<b>Italy</b>	+39 348 341 4408
<b>Hong Kong</b>	+852 2776 0628
<b>China</b>	+86 10 6808 6301
<b>Singapore</b>	+65 6358 1315
<b>Japan</b>	+81 3 5288 5237

For more information please visit [www.broadcast.harris.com/gchannel](http://www.broadcast.harris.com/gchannel)

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