

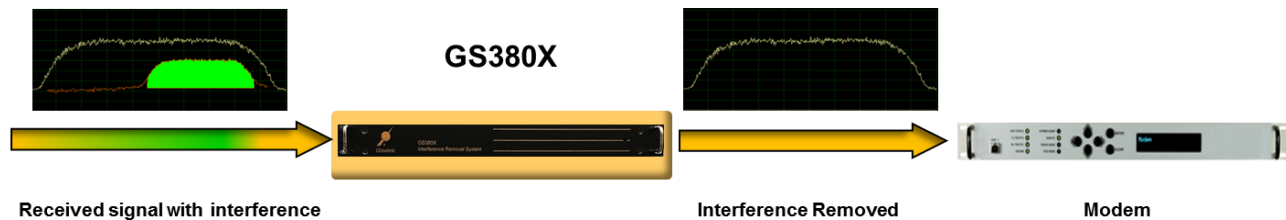
# GS380X – Interference Removal System

## Product Description

The GS380X Interference Removal System is the latest innovation from Glowlink that addresses one of the most vexing problems in communications systems: noise and interference. The system uses Glowlink’s patented CSIR™ technology to excise interference – intentional or otherwise – directly and in real-time from a communication signal *before* it reaches the receiver.

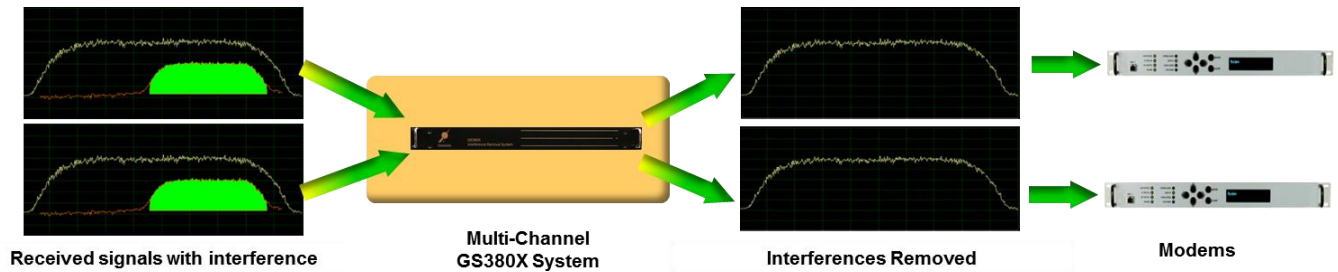
This system can be tailored to a variety of communications systems including airborne communications/telemetry, satellite/space communications, terrestrial communications, and shipboard communications. The GS380X is a real-time streaming technology, supporting the vast majority of communications applications where real-time streaming is important. It can also support buffered or other type of non-streaming, non-real-time applications. The GS380X is typically installed just prior to demodulation of a communication carrier.

The user of this system does not need any *a priori* knowledge of the interfering signal. The only information required is an approximate knowledge of the user’s carrier center frequency, bandwidth and symbol rate. Armed with that information, the GS380X will precisely measure these parameters, and proceed to remove *in real time* anything not in the primary carrier stream. It can remove modulated interference, unmodulated interference (“tones”), and interferences that change characteristics such as gain (burst) or frequency (hopping) over time. The following diagram illustrates a single-channel GS380X system.



**GS380X Removes Interference and Streams the Communications Signal**

The GS380X system can also be configured to handle multiple channels. The following diagram shows how the GS380X system can be applied in a multi-channel configuration.



### GS380X in a Multi-Channel Configuration

For more information on the Glowlink GS380X System and the configurations available, or to inquire about licensing the CSIR™ technology, please contact [sales@glowlink.com](mailto:sales@glowlink.com).

### About Glowlink Communications Technology, Inc.

Based in the Silicon Valley, United States, Glowlink Communications Technology, Inc. provides equipment and services that improve the performance of broadband communications, both satellite and non-satellite based. It is a recognized industry leader of innovative solutions for broadband communications, carrier spectrum monitoring, interference detection/mitigation, geolocation, network management and other applications. Contact the company at [sales@glowlink.com](mailto:sales@glowlink.com) for additional product and purchase information. Website: [www.glowlink.com](http://www.glowlink.com).