# MAXIVA™ GATESWITCH

Versatile 1+1, N+1 Transmitter Redundancy

GateSwitch provides transmitter and switching control for 1+1 & N+1 redundancy. GatesAir's Maxiva™ GateSwitch system enables the ultimate redundancy capability for any broadcast TV or DAB network. Four levels of redundancy are offered:

## Input ASI (4+1) - GS-R4000 External relays/switches or GS-R4050 & GS-R4350 Internal relays/switches

## Input ASI Spitter (1+1) - GS-R4000 External relays/switches or GS-R4050 & GS-R4350 Internal relays/switches

## Input RF (3+1) - GS-R4000 External relays/switches or GS-R4050 & GS-R4350 Internal relays/switches

## Input RF (1+1) - GS-R4000 External relays/switches or GS-R4050 & GS-R4350 Internal relays/switches



Made in USA

# Maxiva™ GateSwitch Product Features

**Transmitter Redundancy**
1+1 & N+1 within a single rack-mount chassis, with various options and power levels. Integrated RF switching for up to 350W, external switching for higher power levels.

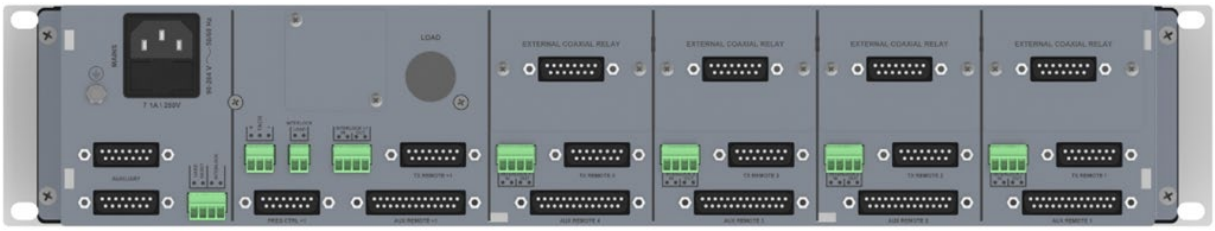
**Input Redundancy**
Two independent input distribution networks are managed by two independent and parallel ASI/BTS/ETI input matrices, or RF input switching, or passive RF splitting for transposers/ gap-fillers.

**Power Supply Redundancy**
GateSwitch does not require its own rack power supply. It is powered by the transmitters connected. For example, in a 3+1 system, there are 4 power supplies available to power the system. Internal power supply is optional.

**Control Redundancy**
I/O dry contact for reliable communication with every transmitter connected. IP communication for data sharing.

- Compact 2RU rach chassis
- 1+1 and N+1 configurations available to suit all applications
- Various input configurations available:
  - ASI/BTS/ETI
  - RF switching input matrix
  - RF passive input splitting (1+1)
  - ASI passive input splitting (1+1)
- SNMP Web interface and display screen with button control

## BACK PANEL (4+1 configuration)
## External Relay/Switch version



## BACK PANEL (4+1/3+1 configuration)
## 50W or 350W versions

Modular / Plug in Relays

# Maxiva™ GateSwitch

## Specifications

*Specifications and designs are subject to change without notice*

| | |
|---|---|
| **General** | |
| Configuration | 1+1 & N+1 GateSwitch R4000 External Relays/ switches (RF unit 3+1) (ASI unit 4+1) maximum<br>1+1 & N+1 GateSwitch R4050 (50 Watt internal relays) (RF unit 3+1) (ASI unit 4+1) maximum<br>1+1 & N+1 GateSwitch R4350 (350 Watt internal relays) (RF unit 3+1) (ASI unit 4+1) maximum |
| RF Output Matrix | Integrated coaxial relays system for power up to 50W or 350W rms or External coaxial relays (Spinner/Radiall) |
| RF Impedance | 50 Ohm |
| RF Connectors | N, female (GateSwitch R4350, R4050)<br>Depending on the external relay (GateSwitch R4000) |
| Input Matrix | DVB-ASI / BTS / SMPTE-310M / ETI or RF switching matrix |
| Input Connectors | BNC (f) 75 Ohm, or N (f) 50 Ohm, or SMA (f) 50 Ohm<br>(according to needed configuration) |
| Management | Ethernet 10/100/1000 BaseT<br>Dry Contact consensus |
| IP Communication | Integrated 8 ports IP Switch |
| IP Connectors | RJ-45 |
| AUX Connectors | D sub15, D sub25 |
| Data Logger | Integrated with storage of events and alarms |
| Firmware Upgrade | via USB port or via Web GUI |
| **Controls** | |
| Management | Integrated Button control with screen<br>GUI interface<br>SNMP<br>GPIO |
| **Series 4000 Specific Data** | |
| Control | Local or Remote, Automatic or Manual |
| Status Overview | LED Mimic display, on the front panel |
| Priority Management | Fully Customizable |
| Thresholds and Retries | Fully Customizable |
| Dummy Load | External / at 50W low power internal |
| **Electrical** | |
| Optional integrated power supply. | |
| DC supplied by slaves through D sub25 AUX connectors | |
| **Mechanical** | |
| Chassis | 2U rack 19” |
| Width | 483 mm |
| Depth | 350 mm |
| Height | 88,1 mm |
| Weight | 6 kg |
| **Environmental** | |
| Operating temperature range | -5°C ÷ 45°C |
| Max. relative humidity | 90% non-condensing |
| | |
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