



## Extremely Reliable N+1 Systems



### POWERFUL PERFORMANCE

- Highly Reliable Hardware
- Fully configurable
- Turnkey solutions



### POWERFUL CONTROL

- Advanced Measurement Interface
- Intuitive local / remote GUI's
- TCP/IP, Web, SNMP, GPIO's ...



### POWERFUL SAVINGS

- Up to 8+1 transmitters
- Compact N+1 solutions
- Easy to install and maintain

# Key Features

## OVERVIEW

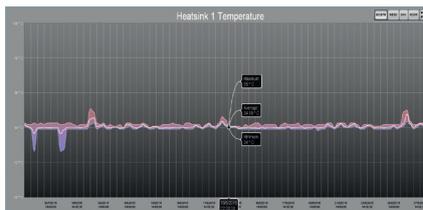


WorldCast Systems provides extremely reliable N+1 systems as complete turnkey solutions with customized and compact rack integrations.

The ECRESO N+1 control unit can manage up to 8 FM programs (up to 8+1 systems). Using standard SNMP protocol, any fault on the main transmitter is automatically detected by the ECRESO N+1 which switches to the reserve transmitter. The ECRESO N+1 supplies the intelligence for the system and

all delays, program priorities, switching conditions and many other parameters are fully configurable.

The control unit is fully equipped with all interfaces: safety loops, CAN bus and RF switches (from N to 1/5/8). The ECRESO N+1 provides powerful control through its intuitive Web based interface and, for local and manual operation, the front panels offer fast and easy access through screens, status LEDs and buttons for manual switching or other actions.



Graphical history logs

A screenshot of a web-based status page for the ECRESO N+1 system. It shows a table with columns for program numbers 1 through 8 and rows for various status indicators: Name, Frequency (MHz), Communication, Operation, RF Power, Fault, Warning, and Local Mode. The 'Operation' row shows green circles for programs 1-4 and yellow circles for 5-8. The 'Fault' row shows red circles for programs 5-8.

Status Page

## AUDIO / MPX SWITCH



The N+1 system also includes a set of AUDIO/MPX SWITCH equipment (fully managed by the ECRESO N+1) that feeds the correct audio/composite signals to the reserve transmitter.

## CUSTOMIZED RACK INTEGRATION

Based on specifications, WorldCast Systems is able to provide Transmitter racks comprising:

- Professional 19" racks with complete accessories: roof, several types of door, lid...
- Circuit breaking systems and energy distribution
- RF switches cabling and integration



4+1 Egreso FM 350W

### Head Office

#### WorldCast Systems S.A.S

20 avenue Neil Armstrong  
33700 Mérignac (Bordeaux Métropole) FRANCE

+33 (0)5 57 928 928

contact@worldcastsystems.com

### US Office

#### WorldCast Systems Inc

19595 NE 10th Avenue Suite A  
Miami, FL 33179 USA

+1 305 249 3110

ussales@worldcastsystems.com



See more about  
N+1 Systems