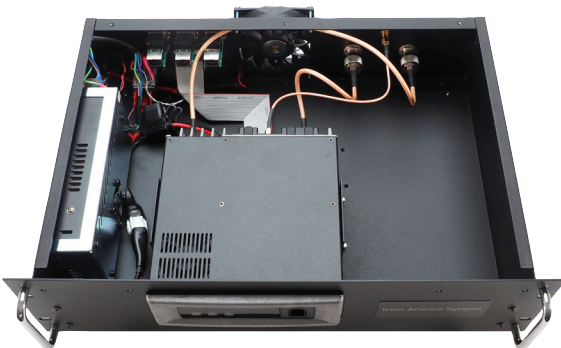
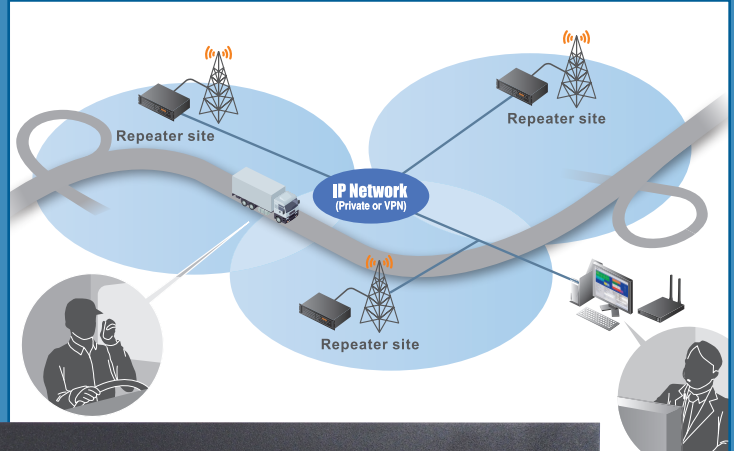


**CY-5300** VHF  
**CY-6300** UHF

## Second Generation Plug and Play Repeater Includes NXDN™ Simulcast Compatibility



**Digital / Analog / NXDN™ repeater or base station to help grow all of your communication needs.**

Built with the latest IDAS™ UR-FR5300 series repeater module, the CY-5300 series adds simulcast to the list of optional configurations. With the internal BBU capable 112/220V AC power supply, system deployments are easier with the all-in-one repeater/base station. It maintains the bold and robust 19" rack mountable CY series chassis.




**Auto Battery Backup**


The auto battery backup feature provides continued operation during unexpected power outages. When the power supply detects a sudden loss of A/C input power, it auto reverts to battery backup mode. When A/C power is restored, the power supply powers the repeater and recharges the battery. Battery not supplied.



**Simulcast with the Optional Antenna**

Install the optional UX-241, GNSS antenna to the built-in gold plated SMA connector on the back of the chassis. The UC-FR5300 and CF-FR5300SC card is required for simulcast operation.

Pre-Selectors - Internal, 4 cavity	
VHF	IASPR1001 136-150MHz
	IASPR1002 150-174MHz
UHF	IASPR1010 400-440Mhz
	IASPR1011 440-512MHz



Duplexers - Internal*	
<p><b>VHF available in 3, 5, 7 &amp; 10MHz separations in the following frequency ranges</b></p> <p>136-148 148-160 160-174</p>	
<p><b>UHF available in 5, &amp; 10MHz separations in the following frequency ranges</b></p> <p>400-440 440-470 470-490 490-512</p>	
<p>*IASDUP50CY - Duplexer install assembly not included; required for installation into CY</p>	

Racks	
IASMNT1028 28 x 19" 16RU desktop 2-post; 350lb weight capacity	
IASMNT1042 42 x 19" welded steel 2-post; 24RU, 1,500lb weight capacity	
IASMNT1063 63 x 19" welded steel 2-post; 63RU, 1,500lb weight capacity	
IASMNT1070 70 x 19" welded steel 2-post; 40RU, 1,500lb weight capacity	
 <p>IASMNT1070 70" RACK</p>	 <p>IASMNT1042 42" RACK</p>

**System Scalable**

Adapt your CY configuration to your evolving infrastructure solution needs. Easily upgrade from analog and NXDN™ conventional to NXDN™ conventional voting configurations, single site trunking, multi-site trunking, or NXDN™ conventional simulcast with the UC-FR5300 board and CF software cards.

System	Requirements
Simulcast Conventional	UC-FR5300 board + CF-FR5300SC card
Multisite Conventional Systems	UC-FR5300 board + CF-FR5000 02 card
Single Site NXDN™ Trunking	UC-FR5300 board
Multi-site NXDN™ Trunking	UC-FR5300 board + CF-FR5000MT card

**Internal Configuration:**

External accessories can be expensive and occupy valuable rack space. We provide three internal configurations to choose from.

- With RX pre-selector installed
- With notch duplexer installed
- With both notch duplexer & RX pre-selector installed

**Other Features:**

- Three shielded data ports for networking gear or trunking bus connections
- Silver plated "N"-type bulkhead RF connectors for antennas
- Terminal screw connector for easy external battery connection
- Built-in grounding stud
- DB-25 connector for external equipment interface
- Heavy duty-temperature controlled 80 CFM cooling fan
- 3U height, 1 Rack Unit is equal to 1.75 inches

**OPTIONS**

**HM-152**  
HAND MICROPHONE




**HM-152T**  
DTMF MICROPHONE



**CFFR5000 02**  
Multi site Conventional  
**CFFR5000MT**  
Multi site NXDN™ Trunking  
**CFFR5300SC**  
Simulcast Conventional



**UC-FR5300**  
IDAS™ TRUNKING NETWORK CONTROLLER



**UX-241** GNSS ANTENNA



**SM-26** DESKTOP MICROPHONE



**Icom America Systems**

12421 Willows Road NE  
Kirkland WA 98034  
www.icomamerica.com  
ias@icomamerica.com