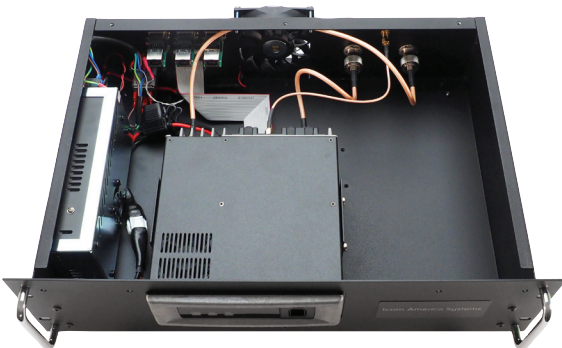
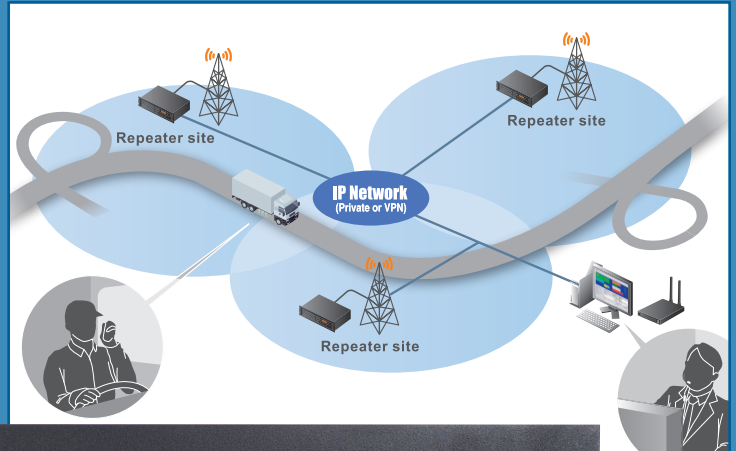


Icom America Systems

DIGITAL/ANALOG REPEATER + SIMULCAST

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.



IDAS™
ICOM DIGITAL ADVANCED SYSTEM

Auto Battery Backup

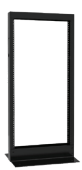
The auto battery backup feature provides continued operation during unexpected power outages. When the power supply detects a sudden loss of A/C input power, it auto reverts to battery backup mode. When A/C power is restored, the power supply powers the repeater and recharges the battery. Battery not 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	
UHF	IASPR1002	
	150-174MHz	
UHF	IASPR1010	
	400-440Mhz	
UHF	IASPR1011	
	440-512MHz	

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

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	
	
IASMNT1070 70" RACK	IASMNT1042 42" RACK

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:

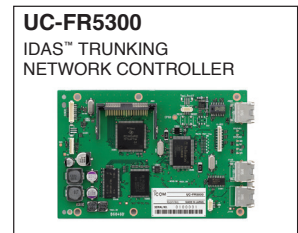
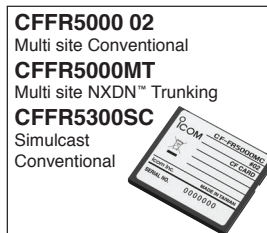
External accessories can be expensive and occupy valuable rack space. We provide three internal configurations to choose from.

- 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



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