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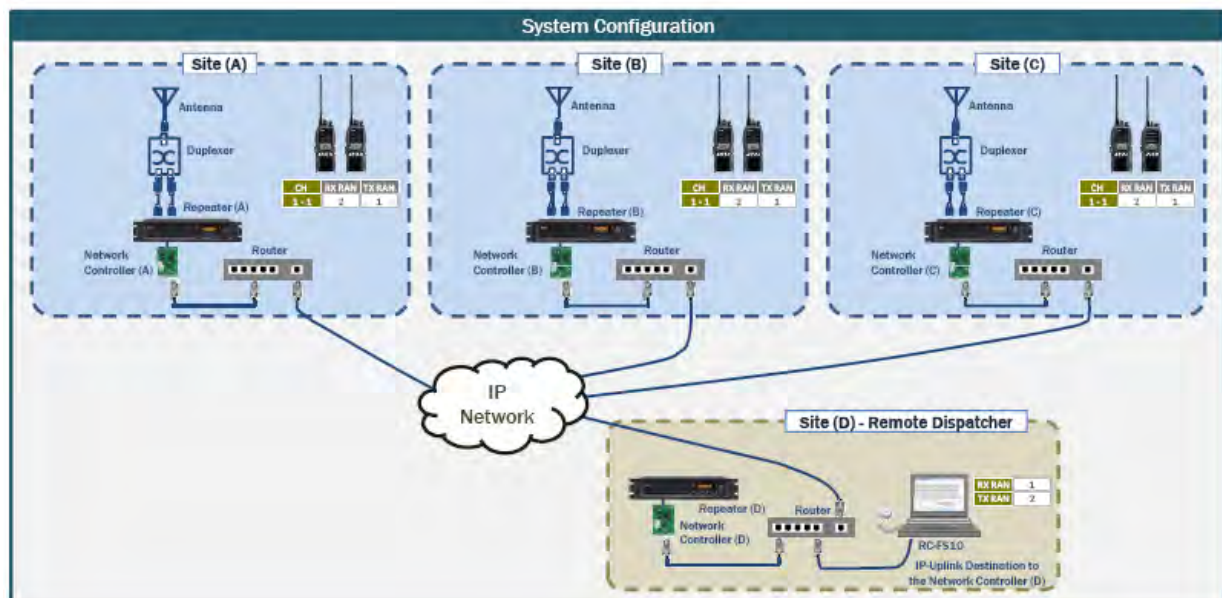
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## You can have a Split Dispatch System on one frequency with IDAS® conventional IP network?

### What is it?

All the subscriber units are allowed to communicate only to the dispatcher, while the dispatcher can communicate to all the subscribers. This is called a **Split Dispatch System**. With the IDAS conventional IP network, it can extend your communication coverage by connecting dispersed sites and allowing you to communicate as if it were a single site.

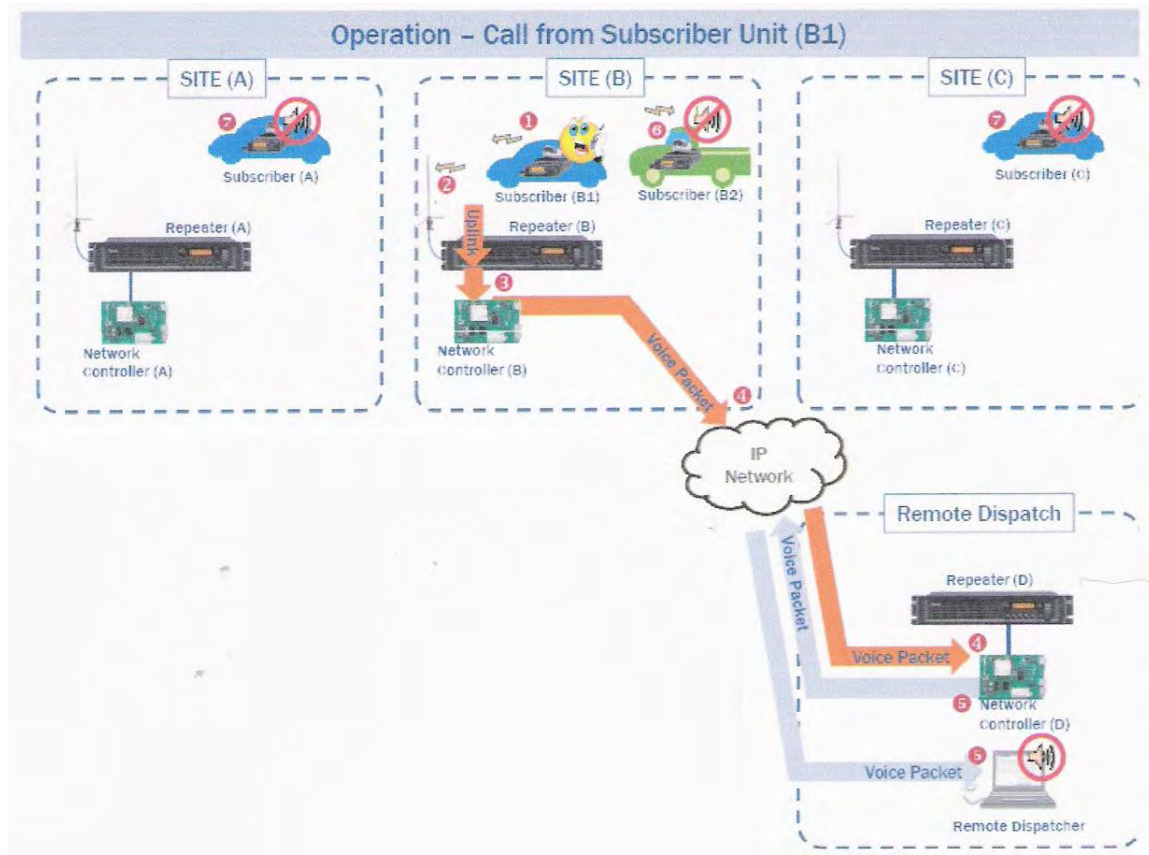
### Typical System Configuration:





# DID YOU KNOW?

## How does this work?



1. The subscriber (B1) at site B uplinks the voice.
2. The uplinked voice from the subscriber (B1) is received by the repeater (B).
3. The repeater transfers the voice packet to the UCFR5000 network controller at site B.
4. The UCFR5000 Network Controller at site B transfers the voice packet to the Network Controller at Site D (DISPATCH with RC-FS10) through the IP network.
5. The Network Controller at Site D transfers the voice packet to the Remote Communicator. The Remote Communicator hears the voice.
6. The Subscriber (B2) may receive the RF signal from the Subscriber (B1) but cannot hear the voice BECAUSE THE RAN CODES DO NOT MATCH; different RAN codes are used.
7. Subscribers A and C cannot hear the voice because no RF signal is down linked from repeater A and C.
8. Units can only communicate with dispatch, not each other.

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## DID YOU KNOW?

### Benefits:

1. Avoids unnecessary transmission from the repeaters.
2. Avoids unnecessary transmissions between the subscribers, resulting in a more efficient system.
3. Allows communication from the dispatcher to the subscribers.
4. Can be used where only one frequency is available.

### Required Equipment:

1. IDAS capable repeater (FR5000series/CY3000 series/IAS 100D).
2. UC-FR5000 trunking controller board (one per repeater) with CF-FR5000 card installed
3. Network Router (one per site).
4. F3161/4161 portable radios and/or F5061/6061 mobile radios for subscriber units.

### Who can use this?

This configuration allows one companies to dispatch with maximum use of resources.

It's ideal for:

- Taxi companies
- Limo/Executive Transport
- Courier companies
- Bus/Public Transportation
- Delivery services

### System Firmware/Hardware Requirements:

**Firmware and Hardware Table**

<u>Device</u>	<u>Firmware Type</u>	<u>Version</u>
FR5000 series	DSP (Digital)	1.8 or greater
	Main (CPU)	1.9 or greater
	Front (Front Panel)	1.2 or greater
UC-FR5000 #02 series	Main/MCU	2.1 or greater
	SUB/SCU	1.3 or greater
F3160 & F5060 series	Main	3.0 or greater
	DSP	2.7 or greater

### Reference

Please refer to the following manuals for detail of settings.

- IDAS™ PROGRAMMING GUIDE
- IDAS™ MULTI SITE REQUIREMENTS GUIDE
- IDAS™ MULTI SITE CONFIGURATION GUIDE
- IDAS™ Quick Guide "RC-FS10 Demonstration"
- IDAS™ Quick Guide "UC-FR5000 Web Settings"
- IDAS™ Quick Guide "Basic Demonstration"

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