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LoRa Developer Documentation

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Ebyte Lora modules has their own protocol to change device parameters at mode-03.

Modes can be changed by setting M0 and M1 status.

Mode - 00 M1-1 M2-1

Mode - 01 M1-0 M2-1

Mode - 02 M1-1 M2-0

Mode - 03 M1-0 M2-0

To communicate between two nodes, addresses of two nodes should be same and communication channel should be same.

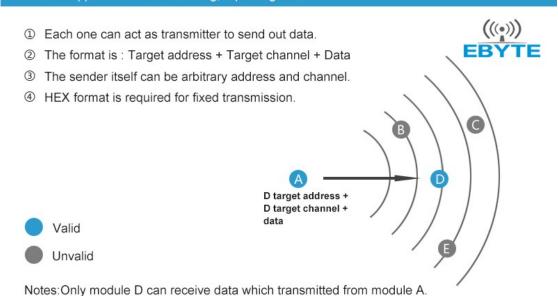
There are two communication methods

1.Fixed transmission

In this transmission node temporally change its channel and address to receivers channel and address.

Fixed transmission

Each module can connect with other modules in different addresses and channels to achieve application like networking, repeating etc.



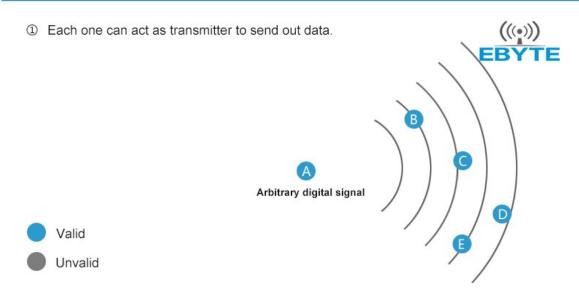
	Working mode	Transmitting mode	Format for data	
Transmitter	Normal mode(mode 0)	Fixed transmission	Target address + Target channel + Data	
Teceiver	Normal mode(mode 0)	Arbitrariness	Data	

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2. Transparent Transmission

Transparent transmission

Address, chanel and air data rate must keep the same for transparent transmission.



Notes: Module B, C, D, E all can receive data transmitted from module A and output data.

	Working mode	Transmitting mode	Format for data
Transmitter	Normal mode(mode 0)	Transparent transmission	Data
Receiver	Normal mode(mode 0)	Arbitrariness	Data

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In DROLA network, we have end nodes at several locations and an another node as a base station. Each end node should send it's location to base station. For this network we can use fixed transmission from each end node to base station.