\<How to communicate using unicast command\>

☞ system setup

PC -(Serial)- ZE10A - (wireless) - ZE10B -(Serial)- PC
                                    - ZE10C -(Serial)- PC

1. Network configuration

1-1. ZE10A   (Coordinator_Master)

AT+NODETYPE=1\<CR\> OK AT+PANID=1111\<CR\> OK ATZ\<CR\> OK	#Node Type configuration(1=Coordinator) #PAN ID configuration(4 digit number) #Apply and Reboot

1-2. ZE10B   (Router_Slave1)

AT+NODETYPE=2\<CR\> OK AT+PANID=1111\<CR\> OK ATZ\<CR\> OK	#Node Type configuration(2=Router) #PAN ID configuration(4 digit number, same as Master) #Apply and Reboot

1-3. ZE10C   (Router_Slave2)

AT+NODETYPE=2\<CR\> OK AT+PANID=1111\<CR\> OK ATZ\<CR\> OK	#Node Type configuration(2=Router) #PAN ID configuration(4 digit number, same as Master) #Apply and Reboot

2. Data transmit mode configuration

2-1. ZE10A　(Coordinator_Master)

AT+TRANSMITMODE=0<CR> OK ATS11=1 OK ATZ<CR> OK	#TRANSMITMODE configuration(0=command mode) #Display the received data #Apply and Reboot

2-2. ZE10B (Router_Slave1)

AT+TRANSMITMODE=0<CR> OK ATS11=1 OK ATZ<CR> OK	#TRANSMITMODE configuration(0=command mode) #Display the received data #Apply and Reboot

2-3. ZE10B (Router_Slave2)

AT+TRANSMITMODE=0<CR> OK ATS11=1 OK ATZ<CR> OK	#TRANSMITMODE configuration(0=command mode) #Display the received data #Apply and Reboot

3. Data Transmission/Reception

3-1. Data transmission from ZE10A (Coordinator_Master) to a Slave

AT+UNICAST=000195000000000B, This is from Master OK	# Send message to a slave (here, ZE10B as example) from ZE10A by AT command

3-2. Data transmission from ZE10B (Router_Slave1) to Master

+000195000000000A | This is from Master AT+UNICAST=000195000000000A, This is from ZE10B	# Received data from Master # Send message to master

3-3. Data transmission from ZE10C (RouterSlave2) to Master

AT+UNICAST=000195000000000A, This is from ZE10C	# Send message to master

3-4. Data reception at ZE10A   (Cordinator_Master)

+000195000000000B | This is from ZE10B +000195000000000C | This is from ZE10C	# Slave device | message # Slave device | message

● Appendix

> How to use Short Node ID

AT+DS ZC* |000195000000000A |AAAA|~ ZR |000195000000000B |BBBB|~ ZR |000195000000000C |CCCC|~ OK AT+UNICAST=BBBB,[message] OK AT+UNICAST=CCCC,[message] OK	# Display the node id in the ZigBee network #Using the short node ID 'BBBB' to send message to ZE10B #Using the short node ID 'CCCC' to send message to ZE10C