# Task-07 Changing STM32L073RZ-LoRa End-Node (LoraBasicsModem-Master programs) to send messages to the Default Gateway.

# Modifications in lorabasicsmodem files (Thanks to the doctoral student Yaozhong Ge who supported all the work of analyzing and altering the source code).

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After compile and build the project, run it. (The End-node and the Default Gateway must be at the same network if you want to access the Raspberry Pi via VNC).

To Verify, use the terminal on the Default Gateway.

(Configuring Lora)

cd ˜/gateway\_2g4\_hal

sudo ˜/gateway\_2g4\_hal/util\_boot/boot -d /dev/ttyACM0

sudo dfu-util -a 0 -s 0x08000000:leave -t 0 -D mcu\_bin/rlz\_fwm\_gtw\_2g4\_01.00.01.bin dfu-util 0.9

(Checking received message on terminal)

cd ˜/gateway\_2g4\_hal/packet\_forwarder

./lora\_pkt\_fwd global\_conf.json

echo “message” | base64 -d