



TO USE TOP MODEM (MODEM B) WW EM7430
for international use
APPLY POWER TO MODEM SET GPIO6 = 1
SELECT MAIN OUT TO CAVITY A-BB SET GPIO4 = 1
SELECT AUX OUT TO CAVITY B-BB SET GPIO5 = 0
Results:
WW MODEM B (MAIN) CONNECTS TO (CAVITY A - BB)
WW MODEM B (AUX) CONNECTS TO (CAVITY B - BB)

TO USE BOTTOM MODEM (MODEM A) US EM7455
for use in the United States.
APPLY POWER TO MODEM SET GPIO7 = 1
SELECT MAIN OUT TO CAVITY B-BB SET GPIO5 = 1
SELECT AUX OUT TO CAVITY A-BB SET GPIO4 = 0
Results:
US MODEM A (MAIN) CONNECTS TO (CAVITY B - BB)
US MODEM A (AUX) CONNECTS TO (CAVITY A - BB)

COMMAND STRUCTURE FOR SETTING GPIO PINS
Setting GPIOs using Linux commands
NOTE: GPIO 4,5,6,7 defaults to 0,0,0,0

Set Top Modem on	<code>echo 1 > /sys/class/gpio/gpio6/value</code>
Set Bottom Modem on	<code>echo 1 > /sys/class/gpio/gpio7/value</code>
Apply WW Modem Main at Cavity A - BB	<code>echo 1 > /sys/class/gpio/gpio4/value</code>
Apply US Modem Main at Cavity B - BB	<code>echo 1 > /sys/class/gpio/gpio5/value</code>

TO USE BOTH MODEMS BOTTOM MODEM A AND TOP MODEM B
BOTH MODEMS MUST BE SET TO RXDEN=1
APPLY POWER TO BOTH MODEMS SET GPIO6 = 1 SET GPIO7 = 1
SELECT TOP MODEM MAIN OUT TO CAVITY A-BB SET GPIO4 = 1
SELECT BOTTOM MODEM MAIN OUT TO CAVITY B-BB SET GPIO5 = 1
Results:
WW MODEM MAIN CONNECTS TO CAVITY A - BB
US MODEM MAIN CONNECTS TO CAVITY B - BB