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Document Intro

This document is a practical example, mostly following the examples and suggestions on <https://meshtastic.org/docs/>

HW Docs:

<https://meshtastic.org/docs/hardware/devices/lilygo/tdeck/>

Official documentation for configuration in general:

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<https://meshtastic.org/docs/configuration/>

Radio Config:

<https://meshtastic.org/docs/configuration/radio/>

Module Config:

<https://meshtastic.org/docs/configuration/module/>

This document was created using any of three LilGo devices: T-Deck, Watch, or Echo, and I am using a Mac. After the initial setup, one can easily use the built-in `meshtastic --configure` functionality to restore configs.

Software and other setup

CLI:

<https://meshtastic.org/docs/software/python/cli/>

Networking (for admin in web browser, for example):

<https://meshtastic.org/docs/configuration/radio/network/>

--begin-edit Tell the node to open a transaction to edit settings

--commit-edit Tell the node to commit open settings transaction

Ways to check node info:

```
meshtastic --export-config | grep owner
meshtastic --info | grep -E "longName|shortName|hwModel"
meshtastic --nodes
```

Check owner (Long name and short name in app)

```
meshtastic --export-config | grep owner
```

Serial Connection (not needed, but good for debug)

Get device:

```
billy@NetGear5G tDek % ls /dev/ | grep -i usb
cu.usbmodem64E8334B3A001
tty.usbmodem64E8334B3A001
```

Serial console:

```
sudo cu -s 115200 -l /dev/tty.usbmodem64E8334B3A001
```

<https://jasonmurray.org/posts/2020/serialconsolemacos/>

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Entering Flash Mode

Multiple models of LilyGo HW here:

<https://meshtastic.org/docs/hardware/devices/lilygo/twatch/>

Steps and scratch work

#export config before anything, save as original and indicate original in filename

```
meshtastic --export-config > BACKUP-ORIGINAL-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml
```

```
meshtastic --info > BACKUP-ORIGINAL-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml
```

```
meshtastic --version
```

```
meshtastic --set lora.region US
```

```
meshtastic --get lora.region #0 is unset, 1 is US
```

Bluetooth (BT)

#See if BT is enabled

```
meshtastic --get bluetooth.enabled
```

#Check if default 123456 is still the BT pin. If it is already what you reset, then just leave it.

```
meshtastic --export-config | grep -i pin
```

#If its still the same default BT PIN, then change the fixed mode, and set a PIN that only you know. You can always change it back to Random PIN

```
meshtastic --set bluetooth.mode FIXED_PIN --set bluetooth.fixedPin 658736
```

#Check if the PIN change and mode change were successful.

```
meshtastic --export-config | grep -i pin
```

Channels

<https://meshtastic.org/docs/configuration/radio/channels/>

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#Channels already set up on T-Echo, so I am using that URL ("Complete URL", from bottom of `meshtastic --info`):

```
meshtastic --seturl  
https://meshtastic.org/e/#CgcSAQE6AgggCjISIN0mm2kyr1UAYoby_qHg_833urm  
0SZhrQ0Gj3rHCZ5wsGgpNeSBDaGFubmVs0gIIIBIMCAE4AUADSAFQHmgB
```

```
#create, name, secure, index channel1 (Secondary channel),  
reboot  
meshtastic --ch-set name 'My Channel' --ch-set psk random --ch-  
index 1  
meshtastic --reboot
```

```
#set low and high precision for primary and secondary networks, reboot  
meshtastic --ch-set module_settings.position_precision 32 --ch-index 0 --  
ch-set module_settings.position_precision 32 --ch-index 1 --reboot
```

Device

```
#Set CLIENT_MUTE and set timezone  
https://github.com/nayarsystems/posix\_tz\_db/blob/master/zones.csv  
meshtastic --set device.role CLIENT_MUTE --set device.tzdef  
EST5EDT,M3.2.0,M11.1.0
```

```
#Check role:  
meshtastic --export-config | grep -Ei "mute|tzdef"
```

Display

```
#For GPS format, use DEC
```

```
DEC Decimal Degrees
```

```
--set display.gps_format DEC
```

```
#IMPERIAL units
```

```
--set display.units IMPERIAL
```

```
#Bold Headings
```

```
--set display.heading_bold true
```

```
# 3-minute screen awake
```

```
--set display.screen_on_secs 180
```

```
# 10-second carousel
```

```
--set display.auto_screen_carousel_secs 10
```

```
# DEFAULT ON: Wake on Tap or Motion (T-Watch accelerometer)
```

```
--set display.wake_on_tap_or_motion true
```

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#COMMAND:

```
meshtastic --set display.gps_format DEC --set display.units IMPERIAL --set display.heading_bold true --set display.screen_on_secs 300 --set display.auto_screen_carousel_secs 30 --reboot
```

#NOTE:

```
`display.screen_on_secs` choose: 15 30 60 300 600 900 1800 3600  
always
```

```
`display.auto_screen_carousel_secs` choose: off 15 30 60 300 600 900
```

LoRa Radio Config (set Region)

Table of values for region:

<https://meshtastic.org/docs/configuration/radio/lora/>

#Region gets set to US

```
meshtastic --set lora.region US --reboot
```

Networking (skipped)

Skipped

<https://meshtastic.org/docs/configuration/radio/network/>

Position

#Set GPS mode

```
meshtastic --set position.gps_mode NOT_PRESENT
```

Get GPS coordinates of a location:

<https://www.gps-coordinates.net/>

Latitude: 40.43641 | **Longitude:** -79.90786 (offset +/- in the hundred-thousandths place)

#Only use 5 decimal places. Set lat, lon, alt. Disable smart broadcast

```
meshtastic --set position.fixed_position true --set position.position_broadcast_smart_enabled false --setlat 40.43648 --setlon -79.90791 --setalt 100000
```

```
meshtastic --pos-fields SATINVIEW --reboot
```

Set up MQTT Map Reporting

ConfigModule.MQTT protobuf

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Map Report Position Precision

#set

T-Watch:

#check

```
meshtastic --get mqtt
```

```
meshtastic --set mqtt.root msh/US/PHX --set mqtt.map_reporting_enabled true
```

```
meshtastic --get mqtt
```

Power (skipped)

<https://meshtastic.org/docs/configuration/radio/power/>

Security

<https://meshtastic.org/docs/configuration/radio/security/>

#Backup config (contains keys):

```
meshtastic --export-config > key_$(date "+%Y-%m-%d_%H-%M-%S").yaml
```

User

#set short and long names

```
meshtastic --set-owner 'Hot white mocha triple T-Deck' --set-owner-short 'tDek'
```

```
meshtastic --set-owner 'BLT Avocado Toast T-Watch'
```

```
meshtastic --export-config | grep owner
```

PAX Counter

Must disable BT and WIFI (WIFI is already off by default, but you can check)

****NOTE:** This borked the T-Watch

```
meshtastic --get network.wifi_enabled
```

```
meshtastic --set paxcounter.paxcounter_update_interval 900
```

```
meshtastic --set paxcounter.enabled true
```

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```
meshtastic --set bluetooth.enabled false
```

To disable afterwards:

```
meshtastic --set paxcounter.enabled false
```

```
meshtastic --set bluetooth.enabled true
```

```
meshtastic --get bluetooth.enabled --get paxcounter.enabled
```

Canned Message

```
meshtastic --set-canned-message 'test|I need a jalapeno|Call Me A Doctor|  
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way' --reboot
```

What are these settings and values?

<https://meshtastic.org/docs/configuration/module/mqtt/>

"Map Report Position Precision

The precision to use for the position in the map report.
Defaults to a maximum deviation of around 1459m.

Map Report Publish Interval

How often we should publish the map report to the MQTT server in
seconds. Defaults to 900 seconds (15 minutes)."

Special Symbols

```
\ud83c\udef0\u83d\uudedc  
\u2600\u0fe0f\u83d\uudd0b  
#BP#  
\ud83c\udef92
```

Set Ringtone

```
#MAYBE SKIP RINGTONE
```

```
meshtastic --set-ringtone
```

```
'LeisureSuit:d=16,o=6,b=56:f.5,f#.5,g.5,g#5,32a#5,f5,g#.5,a#.5,32f5,g#5,32a  
#5,g#5,8c#. ,a#5,32c#,a5,a#.5,c#. ,32a5,a#5,32c#,d#,8e,c#. ,f. ,f. ,f. ,f. ,f,32e,  
d#,8d,a#.5,e,32f,e,32f,c#,d#. ,c#'
```

```
meshtastic --reboot
```

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#needs check ringtone step

Back-Up, Restore, Factory Reset:

#monitor Serial Console:

```
ls /dev/ | grep -i usb
```

```
cu.usbmodem64E8334B3A001
```

```
tty.usbmodem64E8334B3A001
```

```
sudo cu -s 115200 -l /dev/tty.usbmodem64E8334B3A001
```

#Backup:

```
meshtastic --export-config > final-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml
```

#Restore

```
meshtastic --configure restore-from_2024-11-19_17-18-29.yaml
```

```
**Prepare the config backup yaml as follows:
```

```
- `owner`: Change value and enclose in single quotes.
```

```
- delete the privateKey and publicKey
```

```
- you'll have to go back and manually set the BT settings
```

#Factory Reset (keeps some settings, like location for example):

```
meshtastic --factory-reset
```

```
meshtastic --remove-position
```

Recent Config

```
meshtastic --factory-reset
```

```
meshtastic --info
```

```
cd ~
```

```
pwd
```

```
ls -la
```

```
cd meshtastic-work
```

```
cd node-specific
```

```
ls
```

```
cd tDek
```

```
ls
```

```
meshtastic --version
```

```
meshtastic --export-config > stock_config_2-5-4.yaml
```

```
meshtastic --export-config > stock_config_2-5-4.yaml
```

```
cat stock_config_2-5-4.yaml
```


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```
meshtastic --remove-position
meshtastic --export-config
meshtastic --get bluetooth.enabled
meshtastic --export-config | grep -i pin
meshtastic --set bluetooth.mode FIXED_PIN --set bluetooth.fixedPin 274615
meshtastic --export-config | grep -i pin
meshtastic --ch-set name MyChannel --ch-index 1
meshtastic --ch-set name MyChannel --ch-index 1
meshtastic --ch-set name MyChannel --ch-index 0
meshtastic --info
meshtastic --reboot
meshtastic --ch-set name 'My Channel' --ch-set psk random --ch-index 1
meshtastic --reboot
meshtastic --ch-set module_settings.position_precision 10 --ch-index 0
meshtastic --reboot
meshtastic --ch-set module_settings.position_precision 32 --ch-index 1 --
reboot
meshtastic --export-config
meshtastic --set device.role CLIENT_MUTE --set device.tzdef
EST5EDT,M3.2.0,M11.1.0
meshtastic --export-config | grep -Ei "mute|tzdef"
meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor| Kenny
Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way' --reboot
meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor| Kenny
Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way' --reboot
meshtastic --set display.gps_format DEC --set display.units IMPERIAL --set
display.heading_bold true --set display.screen_on_secs 180 --set
display.auto_screen_carousel_secs 10 --reboot
meshtastic --set lora.region US
meshtastic --set display.gps_format DEC --set display.units IMPERIAL --set
display.heading_bold true --set display.screen_on_secs 180 --set
display.auto_screen_carousel_secs 10
meshtastic --set display.gps_format DEC --set display.units IMPERIAL --set
display.heading_bold true --set display.screen_on_secs 180 --set
display.auto_screen_carousel_secs 10
meshtastic --export-config
meshtastic --export-config
ls
cat final_config.yaml
cat final-config_2024-11-17_15-55-41.yaml
meshtastic --set position.gps_mode not_present
meshtastic --set position.gps_mode not_present
meshtastic --version
meshtastic --set position.gpsMode NOT_PRESENT
meshtastic --set position.gpsMode NOT_PRESENT
meshtastic --set position.gps_mode NOT_PRESENT
meshtastic --set position.gps_mode NOT_PRESENT
meshtastic --set position.fixed_position true --setlat 40.43708 --setlon -
79.90323 --setalt -45000
meshtastic --pos-fields ALTITUDE SATINVIEW --reboot
```

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```
meshtastic --pos-fields ALTITUDE SATINVIEW --reboot
meshtastic --set-owner 'Hot white mocha triple T-Deck' --set-owner-short
'tDek'
meshtastic --export-config | grep owner
history -200
```

Other Messing Around

```
1058 meshtastic --info
1059 meshtastic --set lora.region US
1060 meshtastic --set-ringtone
'LeisureSuit:d=16,o=6,b=56:f.5,f#.5,g.5,g#5,32a#5,f5,g#.5,a#.5,32f5,g#5,32a
#5,g#5,8c#. ,a#5,32c#,a5,a#.5,c#. ,32a5,a#5,32c#,d#,8e,c#. ,f. ,f. ,f. ,f. ,f,32e,
d#,8d,a#.5,e,32f,e,32f,c#,d#. ,c#'
1061 meshtastic --reboot
1062 meshtastic --set-canned-message 'I need a jalapeno|Time Volume
Quantity. Unsurpassed.|Kenny Rogers Rotisserie Chicken|Keep Calm and Meme
On|On my way'
1063 meshtastic --set-canned-message 'I need a jalapeno|Time Volume
Quantity. Unsurpassed.|Kenny Rogers Rotisserie Chicken|Keep Calm and Meme
On|On my way'
1064 meshtastic --reboot
1065 meshtastic --get all
1066 meshtastic --get all
1067 meshtastic --get all
1068 meshtastic --get lora.region
1069 pwd
1070 meshtastic --nodes
1071 meshtastic --set-owner 'BLT Avocado Toast T-Watch' --set-owner-short
'tWch'
1072 meshtastic --setlat 40.436421 --setlon -79.907798 --setalt -50000
1073 meshtastic --reboot
1074 meshtastic --nodes
1075 meshtastic --nodes
1076 meshtastic --export-config > final_config.yaml
1077 ls
1078 cat final_config.yaml
1079 meshtastic --export-config | grep owner
1080 meshtastic --export-config | grep owner
1081 meshtastic --info
1082 meshtastic --info
1083 meshtastic --info | grep -E "longName|shortName|hwModel"
1084 meshtastic --info | grep -E "longName|shortName|hwModel"
1085 meshtastic --nodes
```

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```
1086 meshtastic --nodes
1087 meshtastic --nodes | awk print '{ $2 $3 $4}'
1088 meshtastic --nodes | awk '{ print $2 $3 $4}'
1089 meshtastic --nodes | awk '{ print $2 $3 $4}'
1090 meshtastic --nodes | awk '{ print $2,$3,$4}'
1091 meshtastic --nodes | awk '{ print $2 "," $3 "," $4}'
1092 meshtastic --nodes | awk '{ print $2 "," $3 "," $4}'
1093 meshtastic --nodes
1094 meshtastic --info | grep -E "longName|shortName|hwModel"
1095 meshtastic --export-config | grep owner
1096 cd ..
1097 ls
1098 mv Wtch tWch
1099 ls
1100 cd tW
1101 cd tWch
1102 cd ..
1103 ls
1104 cd tDek
1105 ls
1106 meshtastic --export-config > final_config.yaml
1107 ls
1108 cat final_config.yaml

983 meshtastic --get lora
984 meshtastic --info
985 meshtastic --info
986 meshtastic --set lora.region US
987 meshtastic --support
988 meshtastic --set-ringtone
'LeisureSuit:d=16,o=6,b=56:f.5,f#.5,g.5,g#5,32a#5,f5,g#.5,a#.5,32f5,g#5,32a
#5,g#5,8c#. ,a#5,32c#,a5,a#.5,c#. ,32a5,a#5,32c#,d#,8e,c#. ,f. ,f. ,f. ,f. ,f,32e,
d#,8d,a#.5,e,32f,e,32f,c#,d#. ,c#'
989 meshtastic --reboot
990 meshtastic --version
991 meshtastic --export-config > ~/Desktop/t-echo_config.yaml
992 meshtastic --get lora
993 meshtastic --export-config > ~/Desktop/t-echo_config.yaml
994 meshtastic --get-canned-message
995 meshtastic --get-canned-message
996 meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way'
997 meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way'
998 meshtastic --get-canned-message
999 meshtastic --get-canned-message
1000 meshtastic --get-canned-message
1001 meshtastic --get-canned-message
```

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```
1002 meshtastic --get-canned-message
1003 history -100
1004 meshtastic --set-canned-message 'I need a jalapeno|Kenny Rogers
Rotisserie Chicken|Keep Calm and Meme On|On my way'
1005 meshtastic --set-canned-message 'I need a jalapeno|Kenny Rogers
Rotisserie Chicken|Keep Calm and Meme On|On my way'
1006 meshtastic --get-canned-message
1007 meshtastic --get.lora.region
1008 meshtastic --get lora.region
1009 meshtastic --pos-fields
1010 meshtastic --pos-fields ALTITUDE SATINVIEW SPEED
1011 meshtastic --set-owner 'Earl Grey T-Deck' --set-owner-short 'tDek'
1012 meshtastic --set-owner 'Earl Grey T-Deck' --set-owner-short 'tDek'
1013 meshtastic --ble-scan
1014 meshtastic --ble-scan
1015 meshtastic --get all
```

History Output - multiple configs

```
billy@NetGear5G tEko % history -200
1072 meshtastic --setlat 40.436421 --setlon -79.907798 --setalt -50000
1073 meshtastic --reboot
1074 meshtastic --nodes
1075 meshtastic --nodes
1076 meshtastic --export-config > final_config.yaml
1077 ls
1078 cat final_config.yaml
1079 meshtastic --export-config | grep owner
1080 meshtastic --export-config | grep owner
1081 meshtastic --info
1082 meshtastic --info
1083 meshtastic --info | grep -E "longName|shortName|hwModel"
1084 meshtastic --info | grep -E "longName|shortName|hwModel"
1085 meshtastic --nodes
1086 meshtastic --nodes
1087 meshtastic --nodes | awk print '{ $2 $3 $4}'
1088 meshtastic --nodes | awk '{ print $2 $3 $4}'
1089 meshtastic --nodes | awk '{ print $2 $3 $4}'
1090 meshtastic --nodes | awk '{ print $2,$3,$4}'
1091 meshtastic --nodes | awk '{ print $2 "," $3 "," $4}'
1092 meshtastic --nodes | awk '{ print $2 "," $3 "," $4}'
1093 meshtastic --nodes
1094 meshtastic --info | grep -E "longName|shortName|hwModel"
1095 meshtastic --export-config | grep owner
1096 cd ..
1097 ls
1098 mv Wtch tWch
1099 ls
1100 cd tW
```

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```
1101 cd tWch
1102 cd ..
1103 ls
1104 cd tDek
1105 ls
1106 meshtastic --export-config > final_config.yaml
1107 ls
1108 cat final_config.yaml
1109 history -100
1110 meshtastic --version
1111 history -200 | grep uc
1112 history -200
1113 ls /dev/ | grep -i usb
1114 meshtastic --export-config
1115 meshtastic --export-config > added-map-report.yaml
1116 diff added-map-report.yaml final_config.yaml
1117 meshtastic --export-config
1118 meshtastic --export-config
1119 meshtastic --export-config | grep pin
1120 meshtastic --export-config | grep -i pin
1121 meshtastic --set bluetooth.mode FIXED_PIN
1122 meshtastic --set bluetooth.fixedPin 274615
1123 meshtastic --export-config | grep -i pin
1124 meshtastic --get bluetooth.enabled
1125 cat added-map-report.yaml
1126 meshtastic --set
module_config.mqtt.mapReportSettings.positionPrecision 32
1127 meshtastic --set device.role CLIENT_MUTE
1128 meshtastic --export-config | grep -i mute
1129 meshtastic --export-config | grep -i role
1130 meshtastic --set device.tzdef UTC-5
1131 meshtastic --reboot
1132 meshtastic --get device.tzdef
1133 meshtastic --get display.displaymode
1134 meshtastic --get display.displaymode
1135 meshtastic --set position.gps_mode not_present
1136 meshtastic --set position.gps_mode not_present
1137 meshtastic --nodes
1138 meshtastic --nodes
1139 meshtastic --set position.fixed_position true
1140 meshtastic --get gps_mode
1141 meshtastic --get position.gps_mode
1142 meshtastic --set position.gps_mode not_present
1143 meshtastic --set position.gps_mode -h
1144 meshtastic --set position.device_gps not_present
1145 meshtastic --set position.fixed_position true --setlat 40.4371 --
setlon -79.9074 --setalt -50000
1146 meshtastic --set position.fixed_position true --setlat 40.4371 --
setlon -79.9074 --setalt -50000
1147 meshtastic --get-owner
```

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```
1148 meshtastic --get neighbor_info
1149 meshtastic --get neighbor_info
1150 meshtastic --get neighbor_info
1151 meshtastic --set mqtt.map_reporting_enabled true
1152 meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
1153 meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
1154 meshtastic --reboot
1155 meshtastic --info
1156 meshtastic --info
1157 meshtastic --get lora
1158 meshtastic --reboot
1159 meshtastic --set position.fixed_position true --setlat 40.4371 --
setlon -79.9074 --setalt -50000
1160 meshtastic --export-config > final_config.yaml
1161 meshtastic --export-config > final_config.yaml
1162 ls
1163 rm added-map-report.yaml
1164 cat final_config.yaml
1165 meshtastic --nodes
1166 ls
1167 cp final_config.yaml ../tWch/from-tdek.yaml
1168 cd ../tWch
1169 ls -la
1170 diff final_config.yaml from-tdek.yaml
1171 meshtastic --get mqtt.root
1172 mqtt.root
1173 meshtastic --get mqtt.root
1174 history -200
1175 meshtastic --get lora
1176 cd ..
1177 cd ..
1178 ls
1179 mkdir commands
1180 cd commands
1181 vim get-node-info
1182 cd-
1183 cd -
1184 cd -
1185 cd -
1186 ls
1187 cd node-specific
1188 cd tWch
1189 ls
1190 diff final_config.yaml from-tdek.yaml
1191 meshtastic --export-config | grep -Ei "mute|tzdef"
1192 meshtastic --export-config | grep -Ei "mute|tzdef"
1193 meshtastic --export-config | grep -i pin
```

Nov 2024, Python CLI, Mac, Meshtastic 2.5.x

```
1194 meshtastic --set bluetooth.mode FIXED_PIN --set bluetooth.fixedPin
274615
1195 meshtastic --export-config | grep -i pin
1196 meshtastic --set device.role CLIENT_MUTE --set device.tzdef UTC-5
1197 meshtastic --export-config | grep -Ei "mute|tzdef"
1198 meshtastic --set-ringtone
'LeisureSuit:d=16,o=6,b=56:f.5,f#.5,g.5,g#5,32a#5,f5,g#.5,a#.5,32f5,g#5,32a
#5,g#5,8c#. ,a#5,32c#,a5,a#.5,c#. ,32a5,a#5,32c#,d#,8e,c#. ,f.,f.,f.,f.,f,32e,
d#,8d,a#.5,e,32f,e,32f,c#,d#. ,c#'
1199 meshtastic --reboot
1200 meshtastic --get-canned-message
1201 meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way'
1202 meshtastic --reboot
1203 meshtastic --get-canned-message
1204 meshtastic --export-config | grep owner
1205 meshtastic --export-config | grep owner
1206 ls
1207 cat from-tdek.yaml | grep gps_mode
1208 cat from-tdek.yaml
1209 meshtastic --set position.gpsMode NOT_PRESENT
1210 meshtastic --export-config | grep -i gps
1211 meshtastic --set mqtt.map_reporting_enabled true
1212 meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
1213 meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
1214 meshtastic --reboot
1215 meshtastic --set mqtt.root msh/US/{CITY}
1216 meshtastic --set position.fixed_position true --setlat 40.436421 --
setlon -79.907798 --setalt -50000
1217 echo $(date+%YYYY)
1218 man date
1219 date "+DATE: %Y-%m-%d"
1220 date "+%Y-%m-%d"
1221 man date
1222 date "+%Y-%m-%d_%H-%M-%S"
1223 touch final-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml
1224 ls -la
1225 meshtastic --export-config > final-config_$(date "+%Y-%m-%d_%H-%M-
%S").yaml
1226 meshtastic --export-config > final-config_$(date "+%Y-%m-%d_%H-%M-
%S").yaml
1227 ls -la
1228 ls -latr
1229 cat final-config_2024-11-17_15-51-17.yaml
1230 cd ..
1231 ls
1232 cd tEko
1233 ls
```

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```
1234 cd ..
1235 cd tDek
1236 ls
1237 meshtastic --export-config | grep owner
1238 meshtastic --export-config > final-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml
1239 ls -la
1240 diff final-config_2024-11-17_15-55-41.yaml final_config.yaml
1241 cd ..
1242 ls
1243 cd tEko
1244 ls
1245 meshtastic --get lora
1246 meshtastic --export-config | grep owner
1247 meshtastic --export-config
1248 meshtastic --export-config > BACKUP-ORIGINAL-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml
1249 ls
1250 meshtastic --get lora.region
1251 meshtastic --get lora.region
1252 meshtastic --get bluetooth.enabled
1253 meshtastic --export-config | grep -i pin
1254 meshtastic --set device.role CLIENT_MUTE --set device.tzdef UTC-5
1255 meshtastic --reboot
1256 meshtastic --export-config
1257 meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way'
1258 meshtastic --reboot
1259 meshtastic --get-canned-message
1260 meshtastic --export-config | grep owner
1261 meshtastic --set position.gpsMode NOT_PRESENT
1262 meshtastic --export-config
1263 meshtastic --set mqtt.map_reporting_enabled true
1264 meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
1265 meshtastic --reboot
1266 meshtastic --set mqtt.root msh/US/WDC
1267 meshtastic --set position.fixed_position true --setlat 40.437088 --
setlon -79.903238 --setalt -45000
1268 meshtastic --export-config
1269 meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
1270 meshtastic --reboot
1271 meshtastic --export-config
billy@NetGear5G tEko %
```