

GX2接続設定

福井コンピュータ

FIELD-TERRACE / FIELD-POCKET/TREND-FIELD

GX2とPCを Wi-Fi接続

- Wi-Fiリストに表示された機械名を選択する。



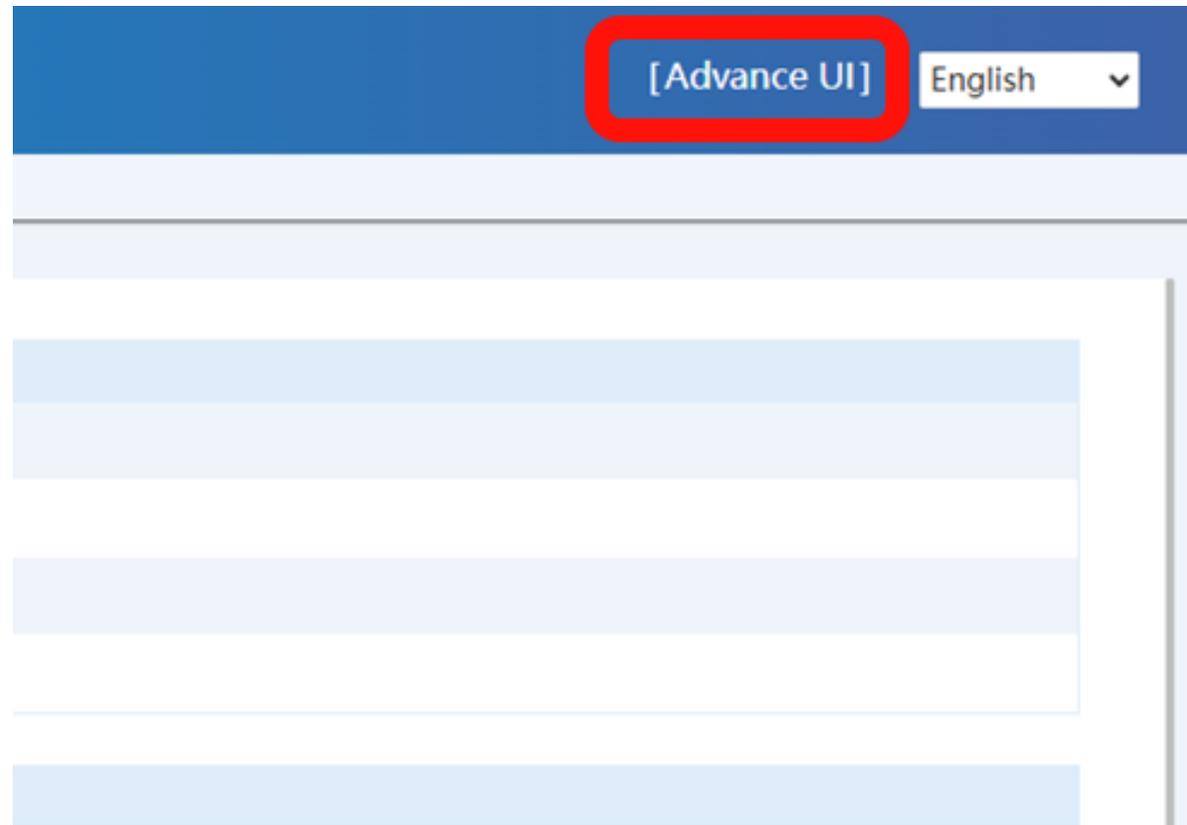
Wi-Fi 接続後、Browserを起動。
アドレスバーへ「10.10.10.10」と入力してWeb UI表示。

The screenshot shows the GX2 web UI interface. On the left is a dark sidebar with a menu: Simple UI (selected), Status, Info, Skyplot, Data Stream, Command, Mode Config, Others Config, File, and Firmware. At the bottom of the sidebar is the copyright notice: Copyright © 2024, TI Asahi Co., Ltd. The main content area is titled 'Status' and contains two tables. The top table, 'System', shows Battery Info (70%), Charge State (None), Scheme (None), and Exception (Error: Mobile network is offline, Error: [Ntrip Client] Error). The bottom table, 'Mode', shows Working Mode (Rover Mode), Station Name (PU025K4), Elev Cutoff (15), Diff Age Max (60s), Data Link (Built-in Network), Connection Type (NTRIP), Host (ntrip.ales-corp.co.jp), Port (2101), Mount Point (32M5NHS), Username (3y523a1o), APN Name (soracom.io), and APN Username (sora). The top right of the page has '[Advance UI]' and a language dropdown set to 'English'.

System	
Battery Info	70%
Charge State	None
Scheme	None
Exception	Error Mobile network is offline Error [Ntrip Client] Error

Mode	
Working Mode	Rover Mode
Station Name	PU025K4
Elev Cutoff	15
Diff Age Max	60s
Data Link	Built-in Network
Connection Type	NTRIP
Host	ntrip.ales-corp.co.jp
Port	2101
Mount Point	32M5NHS
Username	3y523a1o
APN Name	soracom.io
APN Username	sora

画面上部、[Advanced UI]を選択。



[GNSS Config] 選択

IPU02314 [Simple UI] English

GNSS Config

GNSS Mode

GNSS Mode: Rover

Differential Source: Bluetooth Diff

Diff Age Max: 60 Seconds

Antenna

Height: 2.0680 m

Measure Type: Phase

Undulation

Undulation: Auto

Apply

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GNSS Mode = Roverに設定

IPU02314 [Simple UI] English

General ▶ GNSS Status ▶ **GNSS Config** ▼

GNSS Config

Tracking

Message Text

Message Diff

Message Raw

INS

Network ▶

Storage ▶

Data Port ▶

Platform ▶

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GNSS Mode

GNSS Mode: Rover

Differential Source: Ntrip Client

Diff Age Max: 60 Seconds

Antenna

Height: 2.0680 m

Measure Type: Phase

Undulation

Undulation: Auto

Apply

Differential Source = Ntrip Client 設定

The screenshot shows the GNSS configuration page for device IPU02314. The interface includes a sidebar menu on the left with options like General, GNSS Status, GNSS Config (selected), Tracking, Message Text, Message Diff, Message Raw, INS, Network, Storage, Data Port, and Platform. The main content area is titled 'GNSS Config' and contains three sections: 'GNSS Mode', 'Antenna', and 'Undulation'. In the 'GNSS Mode' section, the 'Differential Source' dropdown menu is highlighted with a red box and set to 'Ntrip Client'. Other settings include 'GNSS Mode' set to 'Rover', 'Diff Age Max' set to '60' seconds, 'Antenna Height' set to '2.0680' m, 'Measure Type' set to 'Phase', and 'Undulation' set to 'Auto'. An 'Apply' button is located at the bottom of the configuration area.

Section	Parameter	Value
GNSS Mode	GNSS Mode	Rover
	Differential Source	Ntrip Client
	Diff Age Max	60 Seconds
Antenna	Height	2.0680 m
	Measure Type	Phase
Undulation	Undulation	Auto

Diff Age Max = 60 設定

The screenshot shows the GNSS configuration page for device IPU02314. The interface includes a sidebar menu on the left with options like General, GNSS Status, GNSS Config (selected), Tracking, Message Text, Message Diff, Message Raw, INS, Network, Storage, Data Port, and Platform. The main content area is titled 'GNSS Config' and contains three sections: 'GNSS Mode', 'Antenna', and 'Undulation'. In the 'GNSS Mode' section, the 'Diff Age Max' field is set to 60 and is highlighted with a red rectangular box. Other settings include GNSS Mode: Rover, Differential Source: Ntrip Client, Antenna Height: 2.0680 m, Measure Type: Phase, and Undulation: Auto. An 'Apply' button is located at the bottom of the configuration area.

Section	Field	Value
GNSS Mode	GNSS Mode	Rover
	Differential Source	Ntrip Client
	Diff Age Max	60 Seconds
Antenna	Height	2.0680 m
	Measure Type	Phase
Undulation	Undulation	Auto

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現場で使用するアンテナ高を設定。

IPU02314 [Simple UI] English

General ▶ GNSS Config

GNSS Status ▶

GNSS Config ▼

GNSS Config

Tracking ▶

Message Text ▶

Message Diff ▶

Message Raw ▶

INS ▶

Network ▶

Storage ▶

Data Port ▶

Platform ▶

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GNSS Mode

GNSS Mode: Rover

Differential Source: Ntrip Client

Diff Age Max: 60 Seconds

Antenna

Height: 2.0680 m

Measure Type: Phase

Undulation

Undulation: Auto

Apply

Undulation = Customに設定。
数値に0.068m を入力。

The screenshot shows the GNSS Config page for device PU02314. The interface includes a sidebar menu with options like General, GNSS Status, GNSS Config, Tracking, Message Text, Message Diff, Message Raw, INS, Network, Storage, Data Port, and Platform. The main content area is divided into sections: GNSS Mode (Rover, Ntrip Client, 60 Seconds), Antenna (Height: 2.0680 m, Measure Type: Phase), and Undulation (Custom, 0.068 m). The Undulation section is highlighted with a red box. An Apply button is located at the bottom of the configuration area.

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[Apply]選択。

PU02314 [Simple UI] English

General ▶ GNSS Config

GNSS Status ▶

GNSS Config ▼

GNSS Config

Tracking ▶

Message Text ▶

Message Diff ▶

Message Raw ▶

INS ▶

Network ▶

Storage ▶

Data Port ▶

Platform ▶

GNSS Mode

GNSS Mode: Rover

Differential Source: Ntrip Client

Diff Age Max: 60 Seconds

Antenna

Height: 2.0680 m

Measure Type: Phase

Undulation

Undulation: Custom 0.068 m

Apply

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[Tracking] 選択

PU02314 [Simple UI] English

Tracking

System	Enable	Signal
BDS	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> B1I <input checked="" type="checkbox"/> B2I <input checked="" type="checkbox"/> B3I <input checked="" type="checkbox"/> B1C <input checked="" type="checkbox"/> B2a <input checked="" type="checkbox"/> B2b
GALILEO	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> E1 <input checked="" type="checkbox"/> E5a <input checked="" type="checkbox"/> E5b <input checked="" type="checkbox"/> E6c
GLONASS	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> R1 <input checked="" type="checkbox"/> R2 <input checked="" type="checkbox"/> R3
GPS	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> L1CA <input checked="" type="checkbox"/> L1C <input checked="" type="checkbox"/> L2C <input checked="" type="checkbox"/> L2P <input checked="" type="checkbox"/> L5
IRNSS	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> L5
QZSS	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Q1CA <input checked="" type="checkbox"/> Q1C <input checked="" type="checkbox"/> Q2C <input checked="" type="checkbox"/> Q5

SBAS

SBAS Enable:

SBAS mode:

PPP

PPP Enable:

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使用する衛星を選択(GLONASS/GPS/QZSS)

The screenshot shows the 'Tracking' configuration page for device PU02314. The left sidebar lists various settings, with 'GNSS Config' expanded to show 'Tracking' selected. The main content area contains a table for satellite system configurations, with the GLONASS, GPS, and QZSS rows highlighted by a red border. Below the table are sections for SBAS and PPP settings.

System	Enable	Signal
BDS	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> B1I <input checked="" type="checkbox"/> B2I <input checked="" type="checkbox"/> B3I <input checked="" type="checkbox"/> B1C <input checked="" type="checkbox"/> B2a <input checked="" type="checkbox"/> B2b
GALILEO	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> E1 <input checked="" type="checkbox"/> E5a <input checked="" type="checkbox"/> E5b <input checked="" type="checkbox"/> E6c
GLONASS	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> R1 <input checked="" type="checkbox"/> R2 <input checked="" type="checkbox"/> R3
GPS	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> L1CA <input checked="" type="checkbox"/> L1C <input checked="" type="checkbox"/> L2C <input checked="" type="checkbox"/> L2P <input checked="" type="checkbox"/> L5
IRNSS	<input type="checkbox"/> Enable	<input checked="" type="checkbox"/> L5
QZSS	<input checked="" type="checkbox"/> Enable	<input checked="" type="checkbox"/> Q1CA <input checked="" type="checkbox"/> Q1C <input checked="" type="checkbox"/> Q2C <input checked="" type="checkbox"/> Q5

SBAS

SBAS Enable:

SBAS mode:

PPP

PPP Enable:

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The screenshot displays the configuration page for device IPU02314. The left sidebar contains a menu with options: General, GNSS Status, GNSS Config (selected), Tracking, Message Text, Message Diff, Message Raw, INS, Network, Storage, Data Port, and Platform. The main content area is titled 'Tracking' and is divided into three sections: SBAS, PPP, and Others. In the SBAS section, 'SBAS Enable' is set to 'Disable' and 'SBAS mode' is set to 'Auto'. In the PPP section, 'PPP Enable' is set to 'Disable' and 'PPP mode' is set to 'Auto'. In the Others section, 'Elev Cutoff' is set to '15' degree. At the bottom center, a blue 'Apply' button is highlighted with a red rectangular box. The top right corner shows '[Simple UI]' and a language dropdown set to 'English'. The bottom left corner of the sidebar contains the copyright notice: 'Copyright © 2025. TI Precision Shanghai Co., LTD'.

画面下までスクロール。
[Apply]選択。

[Message Text] 選択

The screenshot displays the GX2 interface for device PU02314. The left sidebar menu includes options like General, GNSS Status, GNSS Config (expanded), Tracking, Message Text (highlighted with a red box), Message Diff, Message Raw, INS, Network, Storage, Data Port, and Platform. The main content area is titled 'Message Text' and shows NMEA configuration settings for various data rates.

NMEA	
GPDOP :	None
GPGGA :	5 Hz
GPGSA :	1 Hz
GPGST :	5 Hz
GPGSV :	1 Hz
GPRMC :	None
GPVTG :	None
GPZDA :	None

NMEA 設定値 FIELD-POCEKT FIELD-TERRACE

- GPDOP = None
- GPGGA = 1Hz
- GPGSA = 2s
- GPGST = 2s
- GPGSV = 2s
- GPRMC = None
- GPVTG = None
- GPZDA = None

Message Text

NMEA

GPDOP :	None	▼
GPGGA :	1 Hz	▼
GPGSA :	2 s	▼
GPGST :	2 s	▼
GPGSV :	2 s	▼
GPRMC :	None	▼
GPVTG :	None	▼
GPZDA :	None	▼

NMEA 設定値 TREND-FIELD

- GPDOP = None
- GPGGA = 1Hz
- GPGSA = None
- GPGST = None
- GPGSV = 2s
- GPRMC = None
- GPVTG = None
- GPZDA = None

Message Text

NMEA

GPDOP :	None	▼
GPGGA :	1 Hz	▼
GPGSA :	None	▼
GPGST :	None	▼
GPGSV :	2 s	▼
GPRMC :	None	▼
GPVTG :	None	▼
GPZDA :	None	▼



PU02314

[Simple UI]

English

General

GNSS Status

GNSS Config

GNSS Config

System

Message Text

Message Diff

Message Raw

INS

Network

Storage

Data Port

Platform

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Message Text

GPGSV : 5 s

GPRMC : None

GPVTG : None

GPZDA : 1 Hz

GPSNR : None

INS.ARST : None

INS.CALI : None

INS.GNSS : None

INS.NAVI : None

KSXT : None

LASER : None

REFSTATIONA : None

Apply

画面下までスクロール。
[Apply]選択。

[Data Port] 選択

IPU025K4 [Simple UI] English

General ▶
GNSS Status ▶
GNSS Config ▶
Network ▶
Storage ▶
Data Port ▼
Status
Socket
Bluetooth
Radio
USB
Ntrip Client
Ntrip Server
Ntrip Caster
Platform ▶

Device Status

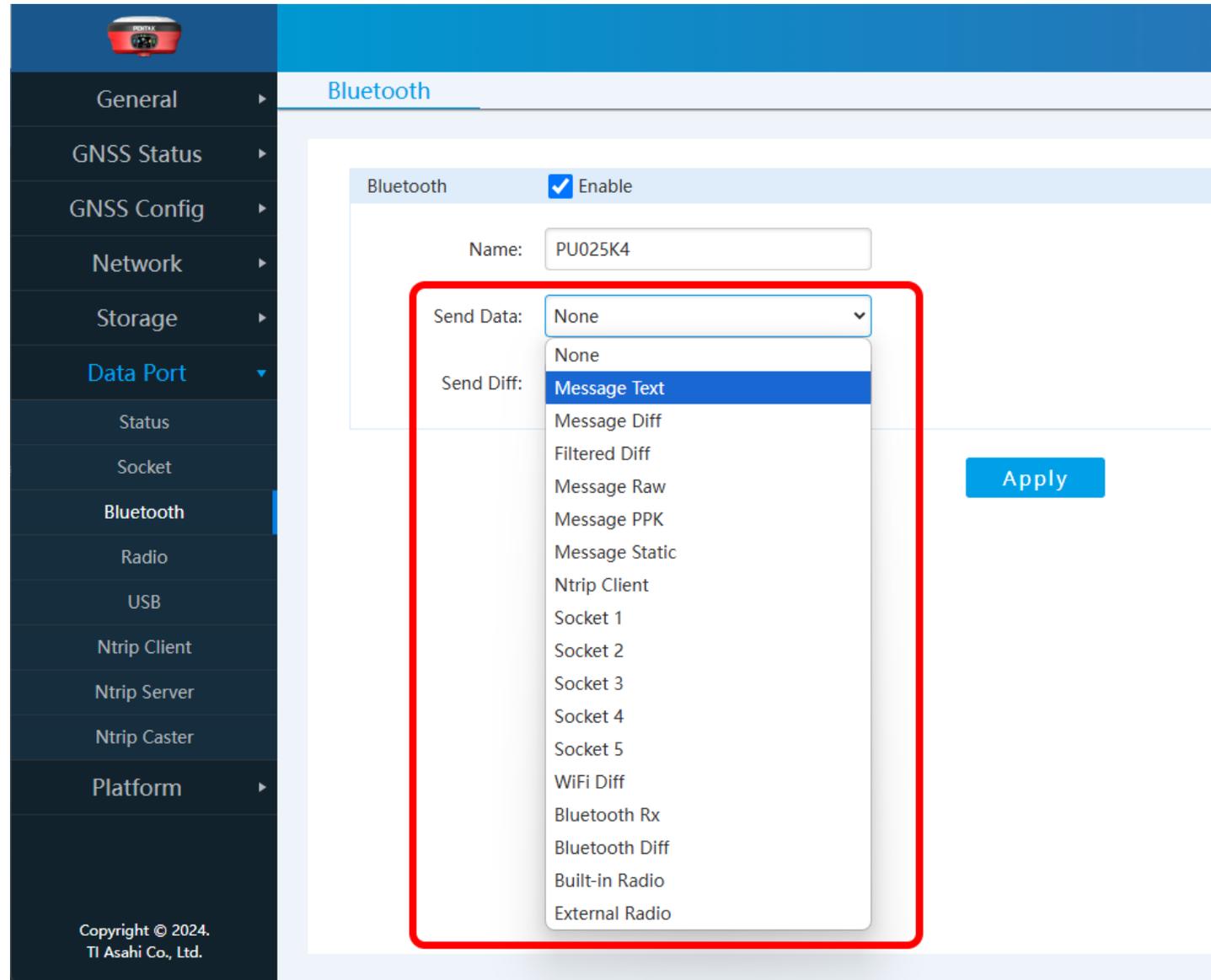
Time	2025-02-10 06:29:54
GNSS Quality	Standalone
Temperature	7.9°C
Supply Voltage	0.000V
External Volatge	0.000 V
Battery Info	71 % 7.708 V A= 71 % 7.708 V B= 0 % 0.000 V
CPU	26.9%
RAM	65.5%
Scheme	None
Exception	Warning Mobile network is offline Warning [Ntrip Client] Error

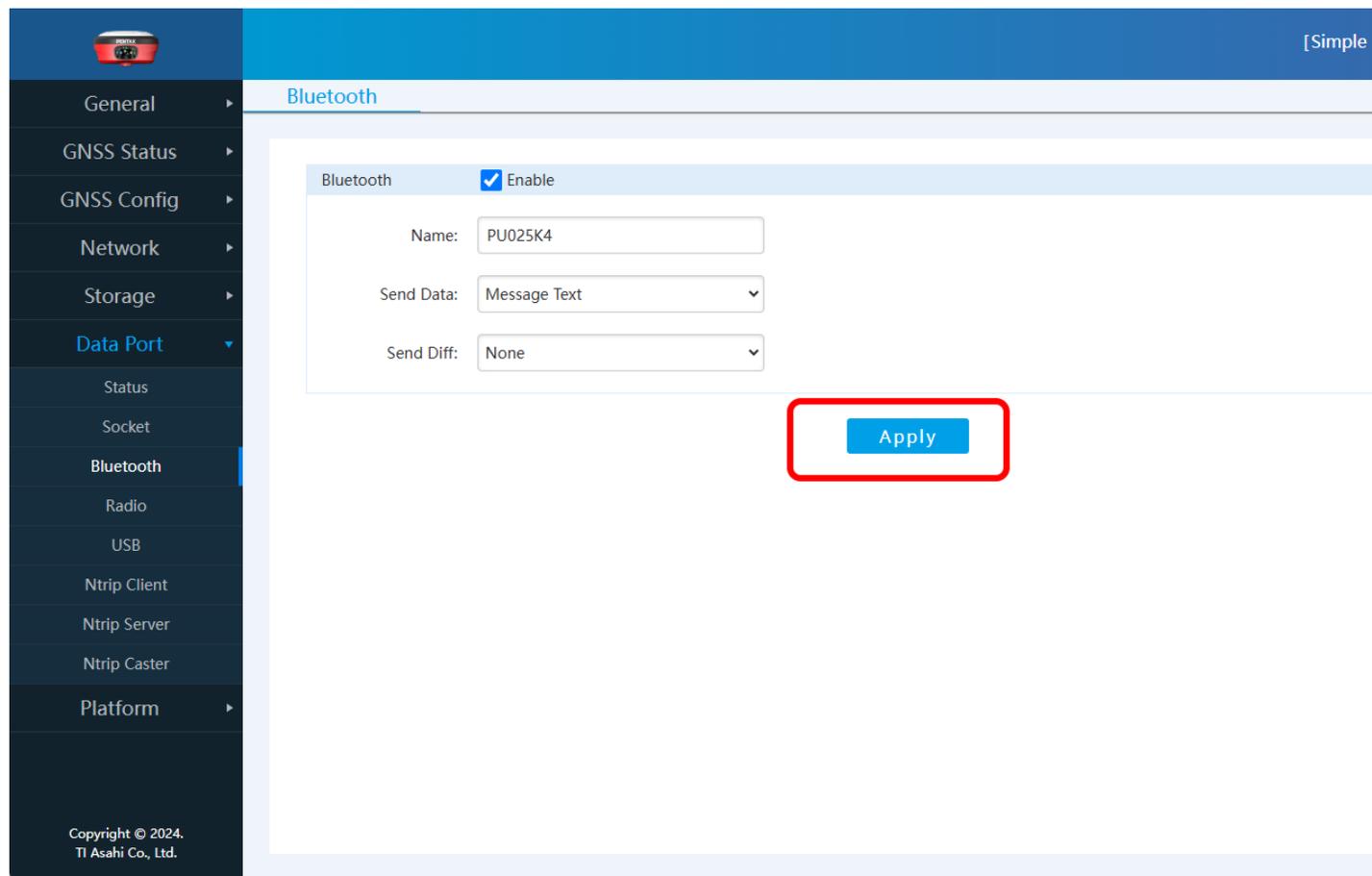
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[Bluetooth] 選択

The screenshot shows a web interface for configuring Bluetooth settings. The left sidebar contains a menu with the following items: General, GNSS Status, GNSS Config, Network, Storage, Data Port (highlighted with a blue arrow), Status, Socket, Bluetooth (highlighted with a red circle), Radio, USB, Ntrip Client, Ntrip Server, Ntrip Caster, and Platform. The main content area is titled "Bluetooth" and features a "Bluetooth" section with a checked "Enable" checkbox. Below this are three input fields: "Name" (containing "PU025K4"), "Send Data" (set to "None"), and "Send Diff" (set to "None"). An "Apply" button is located at the bottom right of the configuration area. The top right of the interface shows "[Simple UI]" and "English" with a dropdown arrow. The bottom left corner of the interface contains the text "Copyright © 2024. TI Asahi Co., Ltd."

[Send Data]から
[Message Text]を選択





[Apply]選択して完了する。

サーバー 接続設定

- Simple UI に切替。
- Mode Config を選択。

The screenshot displays the GX2 web interface. The top navigation bar includes a station icon, the ID 'PU017J4', and options for '[Advance UI]' and 'English'. A left sidebar menu lists various settings, with 'Mode Config' highlighted in red. The main content area shows the 'Status' page with three data tables: System, Mode, and GNSS.

System	
Battery Info	85%
Charge State	None
Scheme	None
Exception	None

Mode	
Working Mode	Rover Mode
Station Name	PU017J4
Elev Cutoff	15
Diff Age Max	60s
Data Link	External Radio
Baudrate	9600
Diff Stream	0 B/s 0 B

GNSS	
Local Time	2025-03-10 09:32:27
UTC Time	2025-03-10 00:32:27
Quality	None
Latitude	0.00000000°
Longitude	0.00000000°

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- Data Link から Built-in Network を選択

The screenshot shows the 'Mode Config' page for station 'PU017J4'. The left sidebar contains navigation options: Simple UI, Status, Info, Skyplot, Data Stream, Command, Mode Config (selected), Others Config, File, and Firmware. The main content area is titled 'Working Mode' and includes the following settings:

- Mode: Rover Mode
- Station Name: PU017J4
- Elev Cutoff: 15 Degree
- Diff Age Max: 60 Second
- Height Type: Phase
- Antenna Height: 2.0680 Meter
- Record: (dropdown menu open)
- PPK: (dropdown menu open)
- Data Link: (dropdown menu open)

The 'Record' and 'PPK' dropdown menus are currently open, showing options: No Data Link, Bluetooth, Wifi, Built-in Network (highlighted), External Radio, Built-in Radio, and PPP. The 'Data Link' dropdown menu is also open, showing options: No Data Link, Built-in Network (highlighted), External Radio, Built-in Radio, PPP, and No Data Link. A red box highlights the 'Built-in Network' option in both the 'Record' and 'Data Link' menus. An 'Apply' button is located at the bottom right of the configuration area.

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APNを入力。

入力する内容は、契約している通信会社によって異なります。

詳細は各契約会社に問合せ下さい。

例(IIJmioの場合)

- APN Name = iijmio.jp
- APN Username = mio@iij
- APN Password = iij

入力後、Applyを押す。

IPU00714. [Advanced UI] English

Simple UI Mode Config

Data Link

Data Link: Built-in Network

APN Name: iijmio.jp

APN Username: mio@iij

APN Password: ...

Connection Type: NTRIP

Host:

Port:

Mount Point: List

Username:

Password:

Apply

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サーバー情報を入力

入力する内容は、契約している会社によって異なります。

例(Terasat)

- Connection Type: NTRIP
- Host: ntrip.terasat.co.jp
- Port:5001
- Username: 契約情報
- Password: 契約情報

入力後、Apply を押す。

Mode Config

Data Link

Data Link: Built-in Network

APN Name: ijmio.jp

APN Username: mio@ij

APN Password: ***

Connection Type: NTRIP

Host:

Port:

Mount Point:

Username:

Password:

List

Apply

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Mount Point List 取得成功

- List を押す。
- 成功時、List の横に Got ** Mount point(s) と表示される。

The screenshot shows the Mode Config page for device PPU00714. The left sidebar contains navigation options: Simple UI, Status, Info, Skyplot, Data Stream Debug, Command, Mode Config (selected), Others Config, File, and Firmware. The main content area is titled 'Data Link' and contains the following fields:

- Data Link: Built-in Network (dropdown)
- APN Name: iijmio.jp
- APN Username: mio@iij
- APN Password: ... (password field)
- Connection Type: NTRIP (dropdown)
- Host: ntrip.ales-corp.co.jp
- Port: 2101
- Mount Point: [empty field] **List** Got 16 Mount Point(s)
- Username: Username:
- Password:

An 'Apply' button is located at the bottom right of the form. The footer of the page reads: Copyright © 2025. TI Asahi Co., Ltd.

Mount Point List 取得失敗

- 入力した情報に誤りがあると、Mount Point List が取得できず、List Error と表示される。

IPU00714. [Advanced UI] English

Simple UI Mode Config

Data Link

Data Link: Built-in Network

APN Name:

APN Username:

APN Password:

Connection Type: NTRIP

Host: ntrip.ales-corp.co.jp

Port:

Mount Point:

Username:

Password:

List List Error

Apply

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Mount Point 選択

- Mount Point List 取得後、▼を押すとリストが表示される。
- リストから、使用するMount Pointを選択する。

The screenshot shows the 'Mode Config' page for device 'IPU00714'. The 'Data Link' section is active, and the 'Mount Point' dropdown menu is open, displaying a list of available mount points. The 'Apply' button is visible at the bottom right of the form.

Field	Value
Data Link	Built-in Network
APN Name	ijmio.jp
APN Username	mio@ij
APN Password	...
Connection Type	NTRIP
Host	ntrip.ales-corp.co.jp
Port	2101
Mount Point	[Dropdown Menu]
Username	Username:
Password

Mount Point(s) List:

- RTCM31
- RTCM32MSM4
- RTCM32MSM5
- RTCM32MSM7
- 31NH
- 32MSM4NH
- 32MSM5NH
- 32MSM7NH
- RTCM31S
- RTCM32M4S
- RTCM32M5S
- RTCM32M7S
- 31NHS
- 32M4NHS
- 32M5NHS
- 32M7NHS

Apply

Apply を押して登録を完了する。

登録完了後、基準局との通信が開始します。

従量制の契約の場合、次頁の手順で通信OFFにしてください。

The screenshot shows the 'Mode Config' interface for a device (model PU00714). The left sidebar contains navigation options: Simple UI, Status, Info, Skyplot, Data Stream Debug, Command, Mode Config (selected), Others Config, File, and Firmware. The main content area is titled 'Data Link' and contains the following configuration fields:

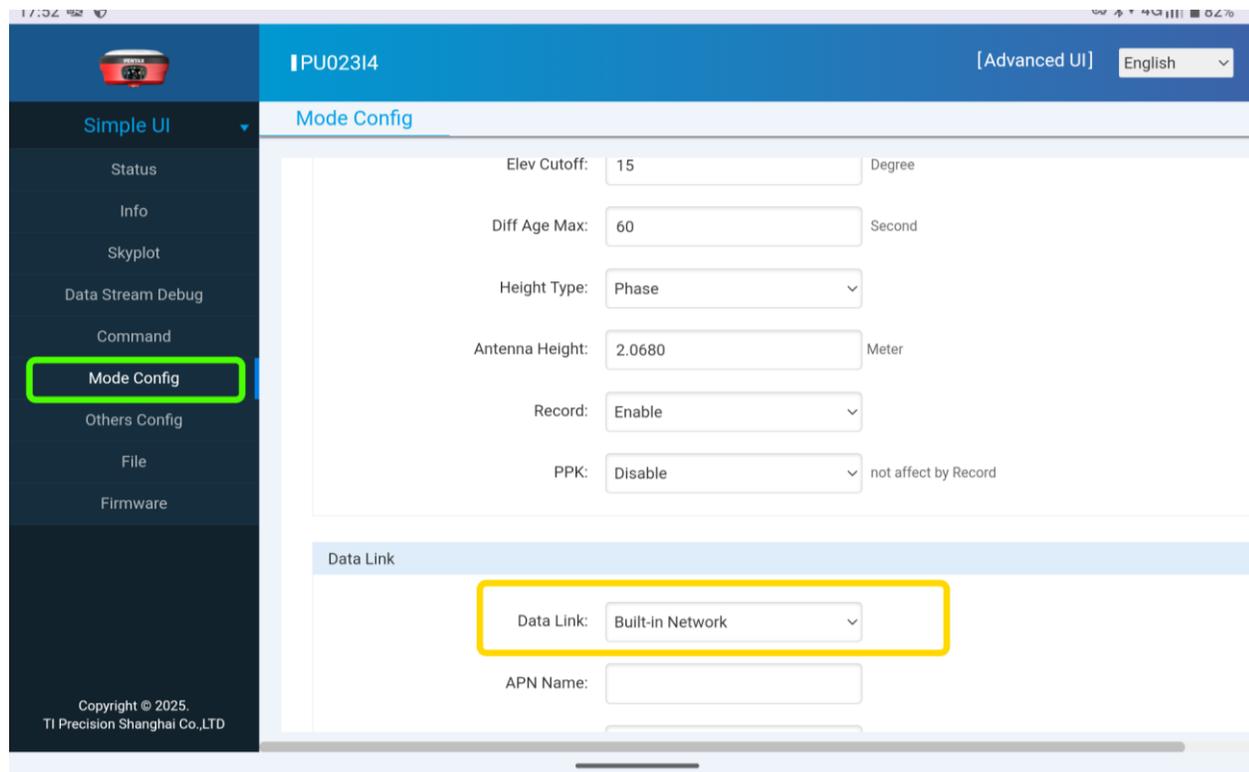
- Data Link: Built-in Network (dropdown)
- APN Name: iijmio.jp
- APN Username: mio@iij
- APN Password: [masked]
- Connection Type: NTRIP (dropdown)
- Host: ntrip.ales-corp.co.jp
- Port: 2101
- Mount Point: 32M5NHS (with a 'List' button next to it)
- Username: Username:
- Password: [masked]

An 'Apply' button is located at the bottom center of the form, highlighted with a red rectangular box.

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- ここまでの設定を完了で、
 - GX2は電源ONの後、自動的に LTE通信を開始。
 - 基準局に接続して位置情報を取得します。
- 通信の停止/開始を任意で行いたい場合は、次頁に記載の操作を行ってください。

Data Link OFF/ON

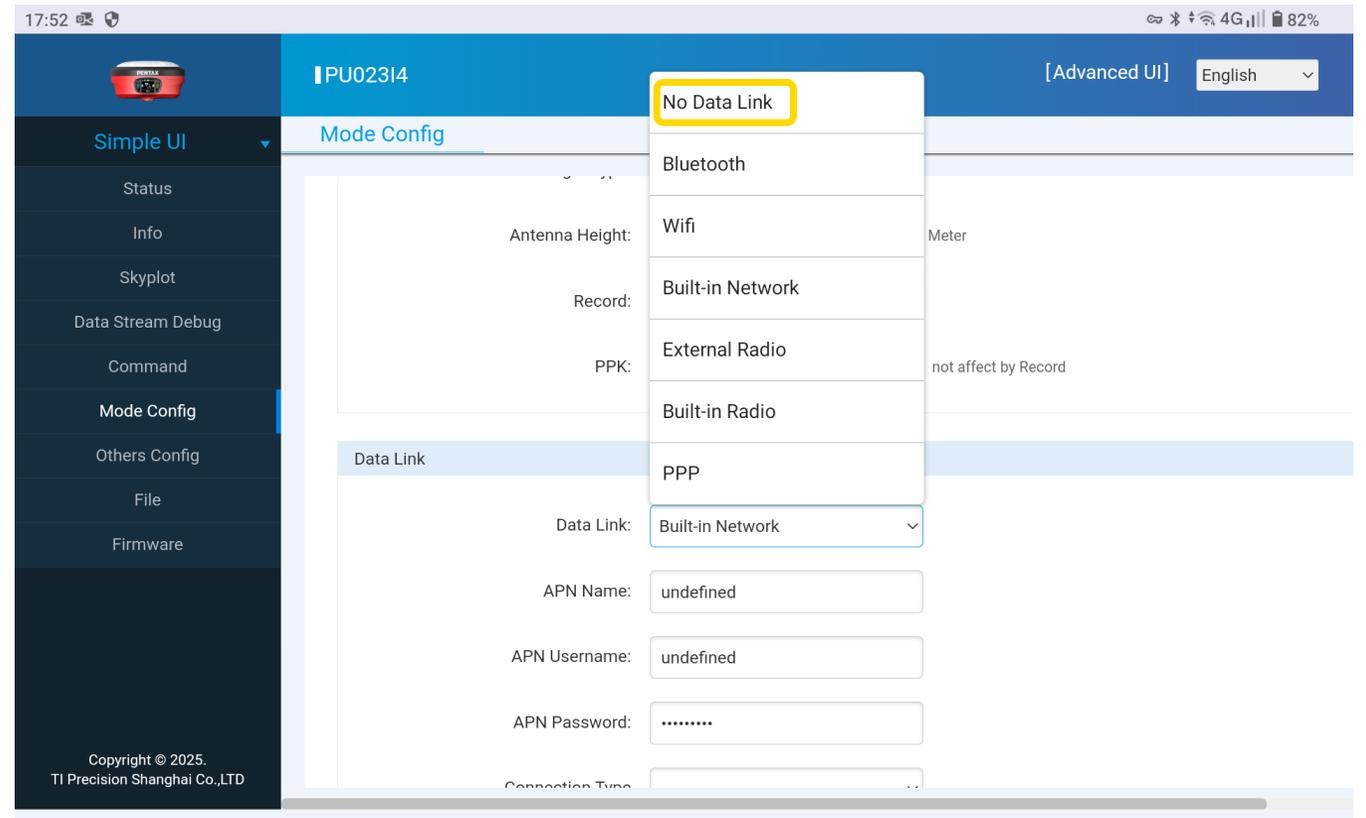


- 「Simple UI」を選択。
- 画面左「Mode Config」を選択。
- Data Link をクリック。

OFF にする

- Data Link に [No Data Link] を選択。
- [Apply]を押す。

電源OFF/ONでも設定は残ります。



ON にする

- Data Link に [Built-in Network]を
選択。
- [Apply]を押す。

電源OFF/ONでも設定は残ります。

