Grandstream Networks, Inc.

GXP2130v2/GXP2140/GXP2160

Bluetooth User Guide

Table of Content

Bluetooth User Guide

Table of Figures

Table of Figures

Bluetooth is a proprietary, open wireless technology standard for exchanging data over short distances from fixed and mobile devices, creating personal area networks with high levels of security. GXP2130v2/GXP2140/GXP2160 supports Bluetooth. On GXP color phones, users could connect to mobile phones (which support Bluetooth function) via hands free mode, or use Bluetooth headset to answer calls.

This document serves as an end user guide on how to use Bluetooth headset and hands free mode on GXP2130v2/GXP2140/GXP2160.

Please ensure your GXP2130v2/GXP2140/GXP2160 is using the latest firmware. The firmware release information can be found here:
http://www.grandstream.com/support/firmware

Software release reference:
- The first released firmware 1.0.1.6 build only supports connecting to Bluetooth Headsets.
- The current official firmware supports both connecting to Bluetooth Headsets and Bluetooth Phones (one at a time).

BASIC FUNCTIONS

Bluetooth related settings are under GXP2130v2/GXP2140/GXP2160's LCD **Menu→System→Bluetooth.** To connect to a Bluetooth device, turn on GXP2130v2/GXP2140/GXP2160's Bluetooth power first. The first time when using a new Bluetooth device with GXP2130v2/GXP2140/GXP2160, the device and the phone must be paired so that both devices know how to connect securely to each other. After that, users could simply connect to the paired device.
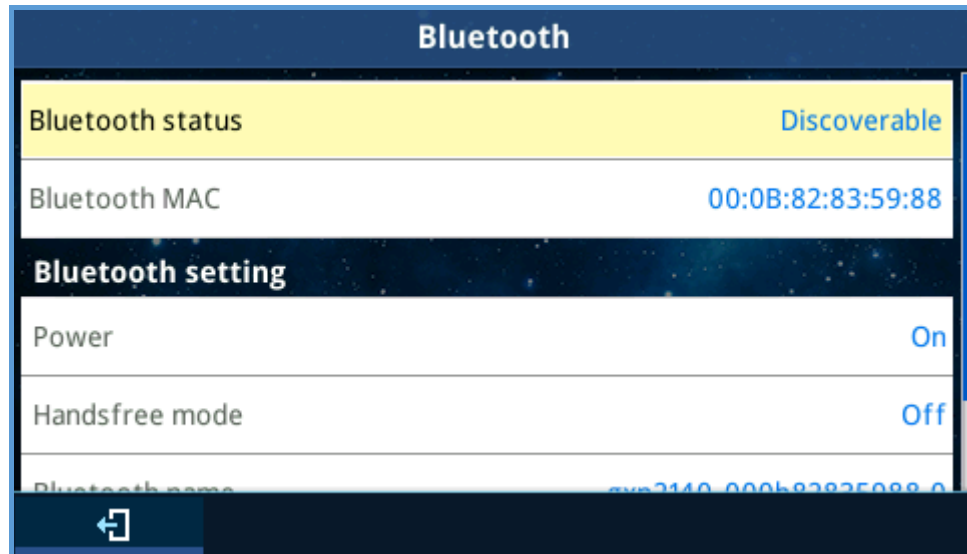

Figure 1: Bluetooth Configuration

Table 1: Bluetooth Configuration

System → Bluetooth	
Bluetooth Status	Displays the status of Bluetooth. When "Power" is on, the status is "Discoverable"; when Bluetooth power is off, the status is "Off".
Bluetooth MAC	Displays the GXP phone's MAC address.
Power	Configure Bluetooth to power on, off, or off with hiding menu from LCD.
Handsfree Mode	Enables/Disables Handsfree mode. **Note**: By enabling the handsfree Mode, the user can sync up cellphone phonebook to the GXP phone and also make calls on GXP phone via the cellphone account. **Important**: GXP Phones can connect to at most one handsfree device each time.
Bluetooth Name	Defines the GXP2130v2/GXP2140/GXP2160 Bluetooth name.

Start Scan	Starts to scan other Bluetooth devices in range. If new device is found, user could press "Pair" soft key, and enter Pin code to pair to other Bluetooth devices.
Discoverable	Defines whether the phone is discoverable by other Bluetooth devices, when Bluetooth power is on.

Turn Bluetooth ON or OFF

1. Go to GXP2130v2/GXP2140/GXP2160's **LCD MENU→System→Bluetooth**

2. Highlight **Power** option by pressing Up/Down arrow key.

3. When the **Power** option is highlighted, pressing LEFT/RIGHT arrow keys to turn on/off Bluetooth.

Note: While Bluetooth is turned on, GXP2130v2/GXP2140/GXP2160 is discoverable by other Bluetooth devices. To make the phone undiscoverable, user needs to turn off Bluetooth.

Change GXP2130v2/GXP2140/GXP2160 Bluetooth Name

Under Bluetooth Name option, user can change the Bluetooth name of GXP2130v2/GXP2140/GXP2160 showed when discovered by other Bluetooth devices.

1. Go to GXP2130v2/GXP2140/GXP2160's **LCD MENU→System→Bluetooth**.

2. Highlight **Bluetooth Name** option by pressing Up/Down arrow keys.

3. Enter the desired Bluetooth name from keypad.

Pairing to a Bluetooth device

Before connecting GXP2130v2/GXP2140/GXP2160 with other Bluetooth device, users must pair them first. Both devices will stay paired afterwards unless they are unpaired.

1. Go to GXP2130v2/GXP2140/GXP2160's **LCD MENU→System→Bluetooth**.

2. Enter **Start Scan** option

3. GXP2130v2/GXP2140/GXP2160 scans and displays the names of all available Bluetooth devices.
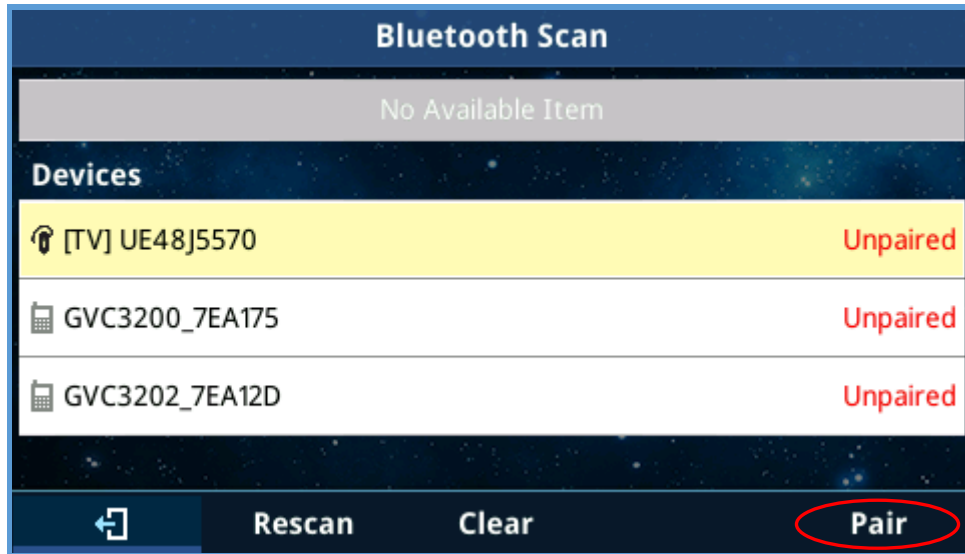
Figure 2: Scan Bluetooth Device

Note: If the wanted device does not show up in the list, make sure the device is turned on and set to be discoverable. User can also press "Clear" and "Rescan" softkeys to restart the scanning;

4. The discovered devices will show up in the scan result list with devices names. If it is not paired, it will show the status "Unpaired" next to the device name. Select the wanted device, and press "Pair" softkey to pair it with the GXP Phone. Then a window will prompt up where the user can find a random PIN Code needed in the wanted device to pair it with the GXP Phone.
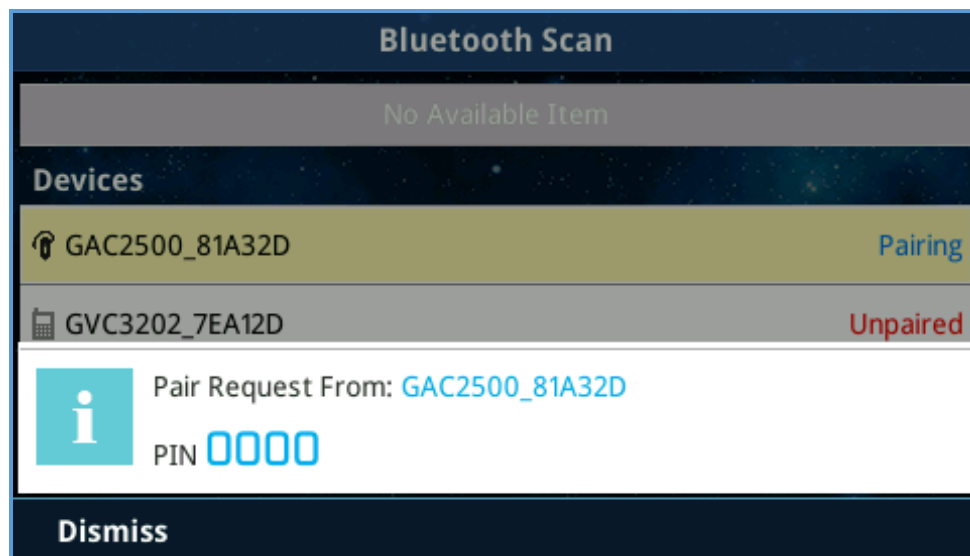

Figure 3: Pairing to Bluetooth Device

Note: Usually, the default Bluetooth headset Pin code is 0000.

Bluetooth User Guide

Connecting to a Bluetooth device

After successfully paired, the GXP2130v2/GXP2140/GXP2160 will show the status "Paired" next to the Bluetooth device name in the scan list. select the paired device and press "Connect" softkey.

Once connected, GXP2130v2/GXP2140/GXP2160 will show the status "Connected" next to the Bluetooth device name in the scan list.

Figure 4: Bluetooth Device Connected

Unpairing and disconnecting a Bluetooth device

In the Bluetooth settings, highlight the Bluetooth device name and press "Disconnect"/"Unpair" softkey. Once disconnected/Unpaired, the phone will show the status "Disconnected/unpaired" next to the Bluetooth Device Name.
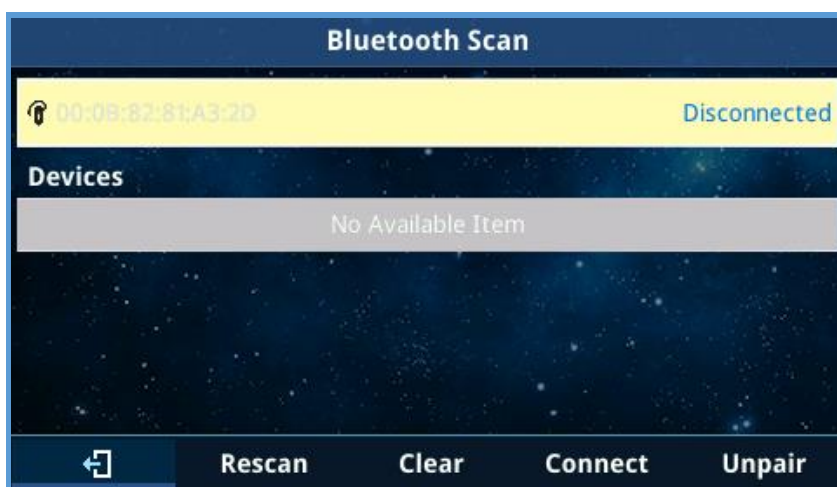

Figure 5: Disconnect Bluetooth Device

Bluetooth User Guide

USE BLUETOOTH HEADSET

On GXP2130v2/GXP2140/GXP2160, user can answer/terminate incoming call from Bluetooth headset.

BT ON and BT OFF

After Bluetooth headset is successfully connected, GXP2130v2/GXP2140/GXP2160 will show "BT On" softkey on call screen. User may press it to active Bluetooth headset.
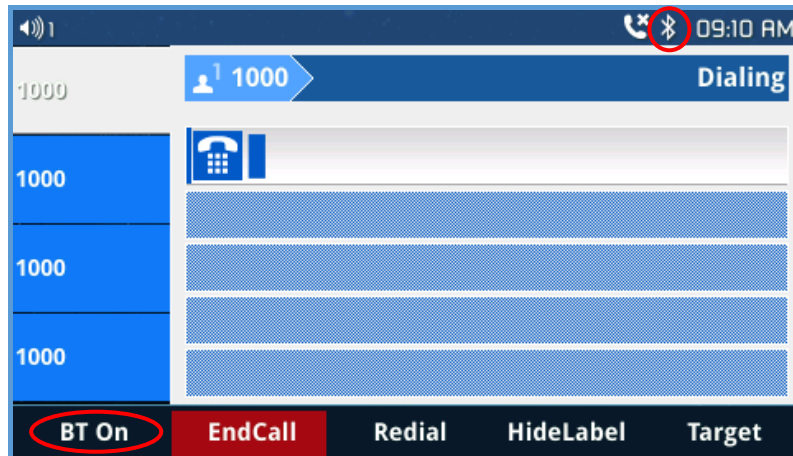

Figure 6: BT is OFF

When "BT Off" softkey shows up in call screen and the Bluetooth icon on status bar changes to be solid, it means the Bluetooth headset is ready to use.
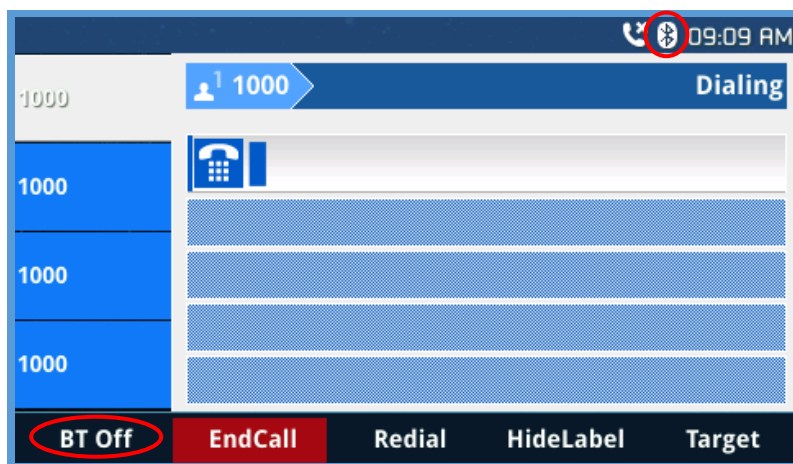

Figure 7: BT is ON

When BT is on, both Bluetooth headset and GXP2130v2/GXP2140/GXP2160 will alert for incoming calls. User may answer using the button on Bluetooth headset.

During an active call, user may switch the audio channel between Bluetooth headset and phone handset by pressing "BT Off"/"BT On" softkey.

HANDSFREE MODE

By connecting cell phone to GXP2130v2/GXP2140/GXP2160 phone via hands free mode, user can sync up cellphone phonebook to GXP phone and make calls on GXP phone via cell phone account. GXP2130v2/GXP2140/GXP2160 plays the role of Bluetooth headset in hands free mode.

NOTE: The cell phone is required to support Bluetooth functions. GXP2130v2/GXP2140/GXP2160 can connect to at most one hands free device each time.

Turn ON/OFF Hands free mode

On GXP2130v2/GXP2140/GXP2160 keypad menu, go to **System → Bluetooth → Handsfree Mode**. Turn on/off Hands Free mode by pressing LEFT/RIGHT arrow keys.
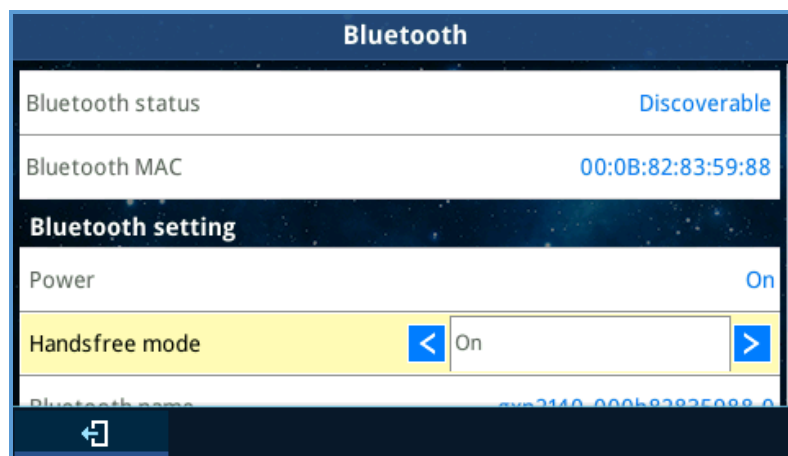

Figure 8: Turn On Hands Free Mode

When "HandsFree mode" is on, the HandsFree Account will show up on idle screen. If no hands free device is connected, the account will be highlighted in red background on main screen.

Figure 9: Hand Free Enabled

Bluetooth User Guide

Connect to Hands free device

The hands free account virtually maps to Line 4. Press line key 4. It will bring up Bluetooth scan page. In scan page, Press the desired Bluetooth device from discovered list. Then, it will be paired and connected to the device. After connected successfully, the Hands Free Account will be highlighted in green background, and the Bluetooth icon will turn to solid.

Figure 10: Hands Free Account Connected

Use Bluetooth Phonebook

After hands free account is connected, the cell phone phonebook will be loaded to GXP2130v2/GXP2140/GXP2160.

1. Go to **LCD Menu → Contacts** to see **Bluetooth Phonebook** option.
2. Press "Select" soft key to enter Bluetooth phonebook and see the connected cell phone's contacts.
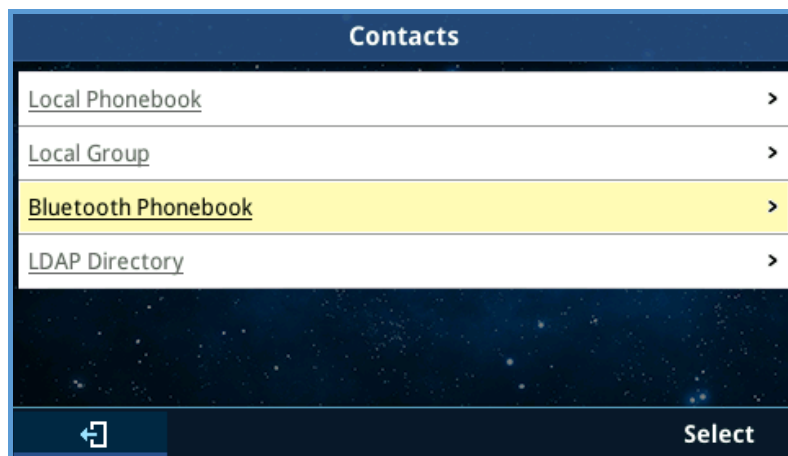

Figure 11: Bluetooth Phonebook

3. In Bluetooth phonebook, user can enter digits to search contacts and phone will list the matching ones.
4. When one contact is highlighted, user can press round Menu button to check contact details.

Bluetooth User Guide

Initiate a call with Hands free mode

When the contact entry is highlighted, user can call the contact by pressing "SEND" button. The call will be initiated from hands free account (user's cell phone).

On idle screen, when the hands free account is connected, pressing the last Line Key will bring up call screen (the 4th Line Key for GXP2130v2/GXP2140 Phones; the 6th Line Key for GXP2160). User can enter the destination number from key pad followed by "SEND" button to dial out.

Bluetooth User Guide