

Using the Internet Radio Linking Project (IRLP)

An amateur radio licence is required to use IRLP. IRLP allows licensed amateurs to connect local FM repeaters around the world using **DTMF (touch-tone)** commands.

For example, in the Wellington region you can access the **Mt Climie 2-metre repeater** on **147.300 MHz (+600 kHz offset)** and use it to connect to IRLP nodes worldwide.

1. Listen First

Monitor the repeater for **15–30 seconds** to make sure it is not already in use.

2. Clear Any Existing Connection

Transmit your callsign and enter:

73

This command disconnects any existing IRLP connection.

Example:

"ZL2XYZ checking IRLP"
Enter DTMF: 73

3. Connect to an IRLP Node

Transmit your callsign and state your intention to link, then enter the **four-digit node number** of the destination.

Example:

"ZL2XYZ linking IRLP"
Enter DTMF: 6900

Release the PTT and wait for the confirmation message.

4. Call Through the Link

After hearing the **"Connection Successful"** announcement, wait a few seconds and make your call.

Example:

"CQ IRLP, CQ IRLP, this is ZL2XYZ listening."

Leave about **3 seconds between transmissions** to allow network delays and repeater access.

5. Operating Limits

- Maximum transmission length per over: **4 minutes**
- Exceeding this limit may cause the node timeout timer to activate.
- The overall QSO can continue as long as desired provided each transmission remains within the time limit.

6. Disconnect When Finished

When ending the contact, announce that you are disconnecting and enter:

73

Example:

"ZL2XYZ unlinking IRLP"

Enter DTMF: 73

Release PTT and wait for the disconnect confirmation.

7. Additional DTMF codes

The Node has the ability to do additional DTMF codes:

C for the current TIME

Example:

Enter DTMF: C

CC for the current DATE

00 (zero zero) for node status – link or unlinked.

Finding IRLP Nodes

A directory of active IRLP nodes worldwide is available on the official IRLP Node Status page:

 <https://status.irlp.net/>

Good Operating Practice

- Always identify with your callsign as required by your licence conditions.
- Listen before transmitting.
- Leave pauses between overs to allow others to join and to accommodate network delays.
- Disconnect the node when you have finished unless local repeater policy states otherwise.
- Be courteous and remember that multiple repeaters may be connected to the conversation.

73 and enjoy using IRLP!

Source: IRLP General User Guidelines