

# Holland Amateur Radio Club 440 Repeater IRLP node#4373

## What is IRLP?

IRLP stands for Internet Repeater Linking Project. Essentially, it uses the internet to connect repeaters in different areas together.

## Who can use IRLP on the Holland Amateur Radio Club's 440 repeater?

Any licensed amateur radio operator with a Technician license or higher, who has access to a transceiver with offset and PL tone and DTMF input for the 440 band, and the ability to bring up the 440 repeater.

## When can the repeater be used for IRLP?

Anytime the repeater is not already in use. Remember to *listen first*, identify yourself with your call sign, then request to use the repeater for IRLP – then listen some more!

## Where can IRLP connect to?

There are nodes all around the world. There is even a node in Antarctica, at Palmer Station! This link will take you to the current list of nodes IRLP can connect. <http://status.irlp.net/>

Additionally, IRLP can connect more than one repeater. Multiple repeaters can connect to a reflector which allows the conversation to be spread to even more places! Reflectors are nodes which have a 9 as the first digit of the identifier.

There are special reflectors which have scheduled nets for topics of interest to various operators, such as emergency communications and food! Follow this link to see when and where a topic you might be interested in is going on: <http://www.irlptopics.net/>

## How does an operator connect to IRLP on the 440 Repeater?

The Holland Amateur Radio Club 440MHz (70 cm) repeater operates at a transmit frequency of 443.825 MHz, with a 5MHz positive offset and a PL tone of 94.8 Hz.

Once the repeater is programmed into the transceiver, choose a node which you might want to link to, from the above list of nodes.

Listen to the repeater, and if silent, key up, identify yourself with your call sign, and ask to use the repeater for IRLP. Listen to the repeater for a moment for replies to your call.

If there were no objections, engage the DTMF on the transceiver and dial "73" with no quotes. This code disengages the IRLP in case it was left connected to a node by accident. Let go of the PTT.

Listen for a moment, it may take a short time to disengage the link if it was active.

Engage the DTMF on the transceiver again, and dial the node identifier number. This should be a four-digit number. Let go of the PTT, and listen for the node to confirm the link. Listen to the audio from the link to ensure there isn't a conversation in progress already.

Identify yourself on the repeater and listen for anyone on the node to come back to you!

Once you are finished using the link, identify yourself and announce your intention to close the link. Engage the DTMF, and dial "73" to shut down the IRLP connection. Listen for confirmation that the link has been closed.

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