



PSK-31 Digital Mode Presentation

Some high points of the Amateur Radio's PSK-31 mode are as follows:

- **PSK31** or "Phase Shift Keying" is a digital communication mode for amateur radio.
- **PSK31** is one of the most common and easy-to-use digital modes. A PSK31 station needs only to consist of an SSB transceiver, an antenna, and a soundcard equipped PC.
- **PSK31**'s efficiency and narrow bandwidth make it highly suitable for low-power and crowded-band operation.
- Most **PSK31** operators use 50 watts or less, and rarely ever approach 100 watts.
- Being low power, **PSK31** is ideal for apartment and condo dwellers who have limited space requirements
- **PSK31** contacts can be conducted at less than 100Hz separation, so with disciplined operation at least twenty simultaneous PSK31 contacts can be carried out side-by-side in the bandwidth required for just one SSB voice contact.
- While **PSK31** is the most popular digital mode today, during contesting, RTTY still reigns supreme.
- **PSK31** is a half-duplex mode of communication. Thus only one participant in the conversation can transmit at a time.
- **PSK31** was developed by amateur radio operator Peter Martinez (G3PLX) and introduced December 1998.
- **PSK31** will give very good copy under poor conditions is thus suitable for QRP
- **PSK31** can handle upper and lower case text up to 50 WPM in real time.

Video Presentation by Randy Hall / K7AGE

Tonight's video presentation will be by Randy Hall / K7AGE.



Randy has produced and uploaded almost 50 of his ham radio related videos onto YOUTUBE for your use and enjoyment. Our club has obtained all of the PSK related videos on a CD-ROM, and these will be located in the Club library. But of course, all of the videos are readily available for your use at: www.youtube.com/k7age

Randy is a 58 year old ham from Sacramento Valley in California where he is a System Engineer at NVISION in Grass Valley, CA.

He graduated from Rochester Institute of Technology (RIT) and has been a amateur radio operator since high school in upstate New York. He is licensed as K7AGE (Amateur Extra), and has used RTTY and digital for many years.

His many videos have been viewed and used by amateur radio operators all over the world for training and for other purposes. We hope that you find them as interesting as we have.

Where to find out more about PSK31:

- **WIKIPEDIA**
http://en.wikipedia.org/wiki/Phase-shift_keying
- **ARRL's PSK Page**
<http://www.arrl.org/tis/info/psk31.html>
- **PSK Official Homepage**
<http://aintel.bi.ehu.es/psk31.html>

Where to find software downloads:

- **DIGIPAN**
www.digipan.net
- **HAM RADIO DELUXE**
<http://www.ham-radio-deluxe.com/>
- **MIX-W**
<http://www.mixw.net/>
- **SIGNALINK Software List**
<http://www.tigertronics.com/>

Where to find Interface device:

- **SIGNALINK USB**
<http://www.tigertronics.com>
- **RIGBLASTER**
<http://www.westmountainradio.com/RIGblaster.htm>
- **MFJ 1275**
<http://www.MFJ.com>

Some Club members who can answer questions on PSK31:

AG3L / NY3J / WA3SRU / KD3TB