

# Brief instructions on how to connect to VK1RWN via a DV Dongle.



## **Driver and Application Installation Instructions**

http://www.dvdongle.com/DV\_Dongle/Installation.html

## **DVD Dongle Application Use**

- This is a good time to plug in your microphone headset into the laptop or pc before we start.
- Also plug the DV Dongle into the laptop or the PC via the USB cable.

### **Initial Setup**

Now open the application by the shortcut provided by the installation. The application opens with a screen similar to below. **(Image 1)** 

- Fill in "My Callsign" as per your registered DSTAR Callsign.
- Fill in "My Message" eg CRARC in Canberra AU
- Go to the "Setup" Tab and confirm that an appropriate audio input and output are selected.

To check that your audio is working, click on the **"Test audio using soundcard only"** button. This will allow you to test your microphone and your speaker setup through your pc. Click **"Stop Soundcard Test"** button.

**Note:** You can also test your audio through the DV Dongle using the button next to the Soundcard button. Be aware that there will be a significant delay in the audio that you hear.

🖬 DVTool 2.0beta5
File Help
My Callsign: VK1ACA My Message: www.crarc.ampr.org
DV Device: COM8 Close Name: DV Dongle Serial #: DV093734
Connection Info History Data Utilities Setup
Audio Gateways Look and Feel
Audio Input: Realtek HD Audio Input  Audio Output: Realtek HD Audio output
Test Audio Using Soundcard Only Test Audio Using DV Dongle
Disable Comfort Noise
Gateway TX Call mic level:
Device opened

Image 1

• Click "Open" button next to DV Device Com Port

🖬 DVTool 2.0beta5		
File Help		
My Callsign: VK1ACA My Message: www.crarc.ampr.org		
DV Device: COM8 Open Name: Serial #:		
Connection Info History Data Utilities Setup		
Audio Gateways Look and Feel		
Select gateways/reflectors from the All list and add to the Favorites list:		
All Favorites		
Add >>     VK1RWN     Move up       REF001     Move down       VK2RAG     VK2RDS		
Automatically reconnect to gateway when connection is lost		
Gateway TX Call mic level:		
DVTool version 2.0beta5		

Image 2

Acknowledge the beta release by clicking "OK". (Image 3)



Image 3

If successful, your screen should look something like this: (Image 4)

- Using the dropdown list on the "Connection" Tab,
- Select "VK1RWN", choose "Module C" and then click "Connect to Gateway" button.

DVTool 2.0beta5	
File Help	
DVTool	
My Callsign: VK1ACA My Messa	ge: www.crarc.ampr.org
DV Device: COM8	Close Name: D∨ Dongle Serial #: D∨093734
Connection Info History Data U	Jtilities Setup
Connect to Gateway VK1RWN VE6IPG VE6KM VE6WRN VE6WRN VE6WRO VE7RAG VE7RCK VE7VIC VK1RWN	Module: C
VK2RAG VK2RDS	Bit Errors:
Gateway TX Call	mic level:
Device opened	□ mute <b>PTT</b> □ lock 00:00:00

Image 4

**Note:** in the screen below, **(Image 5)** at the bottom of the screen there is a confirmation of your connection to VK1RWN.

#### You are now connected to VK1RWN! YIPPEE!!

**Note:** there is a **"PTT"** button at the bottom of the screen along with a **"Mute"** button and a **"PTT Lock"** button. Use these buttons with your mouse to talk through your headset.

**Remember** to leave **FOUR** seconds between overs to allow the connections to be successfully connected and disconnected.

#### Happy D-STAR-ing!!

In DVTool 2.0beta5
File Help
My Callsign: VK1ACA My Message: www.crarc.ampr.org
DV Device: COM8 Close Name: DV Dongle Serial #: DV093734
Connection Info History Data Utilities Setup
Disconnect VK1RWN VModule: C VK1RWN
MyCall UrCall RPT1 RPT2
User Message: Bit Errors:
Gateway     VK1RWN     TX Call     mic level:       Welcome to the VK1RWN D-Star repeater     Imute     PTT     Imute

Image 5

# Other handy functions:

# Gateway information. –(Image 6)

• Go to the "Info" Tab and click on "Get Gateway Info".

DVTool 2.0beta5			
File Help			
My Callsign: VK1ACA My Message: www.crarc.an	npr.org		
DV Device: COM8  Close Name: Serial #	DV Dongle : DV093734		
Connection Info History Data Utilities Setup			
Software Version: Date:			
Linked Repeaters: DV Dongles: Last Hea	rd:		
Get Gateway Info			
Gateway     VK1RWN     TX Call     mic level:       Welcome to the VK1RWN D-Star repeater     mute     PTT     lock     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			

Image 6

DVTool 2.0beta5		
File Help		
My Callsign: VK1ACA My Messa	age: www.crarc.ampr.org	
DV Device: COM8	Close Name: D∨ Dongle Serial #: D∨093734	
Connection Info History Data	Utilities Setup	
VK1RWN software version: 2.2j Date	e: 2012/11/06 16:18:34 UTC+11	
Linked Repeaters: DV Dongles:	Last Heard:	
MODULE A VK1ACA unlinked MODULE B unlinked MODULE C unlinked MODULE D	C: VK2KJB 08:23:37 C: VK1HAJ 22:03:07	
Get Gateway Info		
Gateway VK1RWN TX Call	mic level:	
Repeater ID (VK1RWN S) received		

"Gateway Info" Tab (Image 7) shows you all current users connected to your selected connection.

#### Image 7

History Tab: -allows viewing and saving your current connection to a file for viewing later.
Data Tab: Shows actual data per connection –eg GPS data can be passed and viewed.
Utilities: Record, Playback and save audio from your microphone to test the audio input through the dongle.

# Some limitations to the DV Dongle:

• You cannot change local connections of a D-STAR Repeater which is an option of a D-STAR capable radio.

But you can connect to any Repeater or Reflector directly. Need more information? <u>http://www.dvdongle.com/DV\_Dongle/Using\_the\_DV\_Dongle.html</u>