



## Patch Information Document

Collection Name	SkiTalk v1.0
Author	Ski
Filename	SkiTalk1.s1v
Date	June 5, 2000
Contact Info	email: <a href="mailto:ztja05@zdneta.com">ztja05@zdneta.com</a>
Voice Location(s)	Internal 1, locations A01 thru 08
Description/Notes	<p>This is something of a "mini-release", containing only 8 patches. Truth be told, there's really only one unique patch - SkiTalk 01. All the rest, SkiTalk 02 through 08, are variations of the first patch. Furthermore, the sounds of SkiTalk 02 through 08 can be made with SkiTalk 01 by adjusting the various controllers while playing SkiTalk 01. I created 02-08 when I found that so many useful different variations of 01 could be made with the controllers, it became handy to store them as different patches.</p> <p>For anyone interested, the key to the "talkbox" like effect in these patches is the use of FM in the AN architecture, modulated by the pitch envelope generator (though you could also use the filter envelope for a more detailed envelope, since the AN pitch envelope is so simplistic). Some other key elements that give these patches their unique sound are a smidgen of AN noise, the tube amp insert effect (be sure to play two notes at once to get a bit more distortion), the "basement" reverb (used sparingly in the 01 patch, but very prominent in others), and the flanger (send is set to 0 in the 01 patch as a default, but turned up a fair amount in some other patches).</p> <p>Thanks and credit to bill on the EX5Tech discussion boards for the inspiration and motivation to make these patches. After some discussion of a particular FM technique with bill, I went to my EX5 to create an example. The technique in question was making extreme changes over time to the pitch of an FM modulator (using an envelope or an LFO), resulting in something of a talkbox/vocode effect. This unfortunately can't be done on a DX series instrument. After the results on the EX5 were (unexpectedly) starting to sound pretty hot, I decided to make it into a finished product to share with everyone.</p> <p>Be sure to use the controllers on this one! You can get a tremendous amount of variety from SkiTalk 01 by adjusting the various controllers. All controllers, with the exception of the foot pedal and breath controller, are assigned to do something. See the controller info in the table below for details. Be aware that all patches use aftertouch to bend the pitch upwards by a max of one full note. If you're not used to this trick, it may take a little getting used to, but it's a great way to free your left hand to play, while not giving up the ability to pitch bend and modulate the sound. Besides, I've found it to be much more intuitive and inspiring to use than the pitch &amp; mod wheel combo. Also, be sure to play each of the patches in the lower two octaves, as that's where the talkbox effect is most prominent.</p>
Copyright Info	Free to use and copy as desired. Re-distribution is allowed, as long as this information file is included. These patches are NEVER to be sold.

## Voice List & Descriptions

#	Voice Name	Voice Type	Mono/Poly	Description	Performance Notes
1.	SkiTalk 01	Analog Lead	AN Poly (duo-phonic)	See overall Description/Notes discussion above.	Be sure to try all controllers! See overall Description/Notes discussion above.
2.	SkiTalk 02	"	"	Clone of SkiTalk 01, but with less talkbox effect and more reverb.	"
3.	SkiTalk 03	"	"	Clone of SkiTalk 01, but with less talkbox effect, a slower attack and release, and high reverb and flanger settings.	"
4.	SkiTalk 04	"	"	Clone of SkiTalk 01, but with less talkbox effect, and a higher portamento time.	"
5.	SkiTalk 05	"	"	Clone of SkiTalk 01, but with very little talkbox effect, and high reverb and flanger settings. One of my favorites.	"
6.	SkiTalk 06	"	"	Clone of SkiTalk 01, but with a different quality talkbox effect (altered amount and decay time), coupled with high reverb and flanger settings.	"
7.	SkiTalk 07	"	"	Clone of SkiTalk 01, but with no talkbox effect, a somewhat slower horn-like attack & release, and dry effects. Another favorite.	"
8.	SkiTalk 08	"	"	Clone of SkiTalk 01, but with a fast decay of the talkbox effect coupled with a high reverb setting.	"
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					

## Controller Assignments

#	Voice Name	PW KN1	MW1 KN2	MW2 KN3	RB KN4	AT KN5	BC KN6	FC
1.	SkiTalk 01	Pitch Bend (+/- 1 full note)	Pitch Modulation	Talkbox Effect	Pitch (+/- 1 octave)	Pitch Bend (+1 full note)	N/A	N/A
		Attack Time (amp & filter)	Decay Time (Talkbox effect)	Release Time (amp & filter)	Portamento time	Reverb Send	Flanger Send	
2.	SkiTalk 02	"	"	"	"	"	"	"
3.	SkiTalk 03	"	"	"	"	"	"	"
		"	"	"	"	"	"	"
4.	SkiTalk 04	"	"	"	"	"	"	"
		"	"	"	"	"	"	"
5.	SkiTalk 05	"	"	"	"	"	"	"
		"	"	"	"	"	"	"
6.	SkiTalk 06	"	"	"	"	"	"	"
		"	"	"	"	"	"	"
7.	SkiTalk 07	"	"	"	"	"	"	"
		"	"	"	"	"	"	"
8.	SkiTalk 08	"	"	"	"	"	"	"
		"	"	"	"	"	"	"
9.								
10.								
11.								
12.								
13.								
14.								
15.								
16.								