Understanding some FXO BOSSLAN parameters

Inter-Digits time:
The duration between digit and digit. For example, you call to 123, the duration between digit 1; 2; 3 should not be more than 3 seconds, otherwise the gateway will call the number directly if you do not press any digit during the duration.

Ring Time:
How does the FXO gateway know there is a PSTN incoming from CO side to its FXO port, so it should detect "ring" form CO side. If it got a ring tone which time is more than "200 ms", then the FXO port will recognize such ring as a PSTN incoming, so the FXO will answer this call.

FXO Dial DTMF Delay:
This is for "one-stage dialing". When FXO port has an incoming call from IP side with "one-stage dialing". If the signal connection is established, The FXO will dial to the PSTN automatically. But sometimes the dial tone from PBX is too late so some errors will occur (for example, the number lost, you dial 12345 and the FXO also dial to 12345, but the dial tone from PBX is too late, so the PBX can only recognize 2345 and lost 1).. Now user can use this command to change the time waiting for dial tone.

Autoconnect time:
This is for "one-stage dialing". If your dial plan is using "one-stage dialing", how does the FXO reply the connected signal to the caller from IP side? The FXO can reply the connected signal to caller depend on "remote ring back tone detection". But the ring back tone is different from country to country, and some user may ignore this setting, so the FXO can not reply connected signal to caller and user can not hear voice. So we implement this command, the FXO will reply the connect signal after the "autoconnect time" if the FXO can not detect the "remote ring back tone". The default is 5 seconds.

Auto on-hook:
The FXO gateway can release the FXO port by two way, one is "disconnect tone detection" another is "battery reverse"
Some PBX can provide a "battery reverse" signal to "caller" **after finish the call**, (not for "callee")
So the battery reverse is only for FXO gateway as a caller.
And the FXO gateway has the ability to detect the reverse and release the FXO port after finishing the call.
I suggest you disable this function if your PBX can not provide "battery reverse", because there will be some unexpected error if you enable this function but the PBX can not provide battery reverse.
This function default is disable.

Jitter Buffer:
For example, A talk to B via VoIP. A send the voice RTP to B. When B gateway got the voice RTP from A, it will save these RTP to its jitter buffer then send to the user's telephone set which is connected with the B gateway.
This act will let the B user hear the voice more smooth and get a better quality.
But it may also cause the voice delay if the buffer is too large.
User can define the min and max jitter buffer, so that the CPU can decide the best jitter buffer by itself based on the "network" situation.