







## DIRECT KEYS WITH AB IPBOX 900HD/9000HD



There must be uboot version 1.3.1 (190508) or newer installed on your receiver!



### 1. Software upgrade from USB memory stick (host):


- backup important data from memory stick before try to update. Remove all data from it.
- copy usb update image to memory stick and rename it: usb\_update.img
- run "remove h/w(memory stick)" function on PC. You can see icon on right bottom (left of clock) screen.
- turn off the stb(  +  ) and insert the memory stick.
- press and hold Standby button (  ) until front display shows "BOOTING" and press UP key  (on the front side of the box, not on RC), then front display shows "USB UPGRADE" message..
- uboot will update s/w with usb\_update.img from memory stick
- Wait until DONE message displays. Restart your receiver.

2. **Shutdown by force** : power button(  ) + OK(  ).

3. **TV resolution adjustment** : press and hold power(  ) button on the front panel, and press menu(  ) button at the same time on cold off mode

4. **Serial upgrade mode** : press and hold power(  ) button on the front panel, and press right direction arrow(  ) button at the same time on cold off mode

5. **HDD format by force** : press and hold power(  ) button on the front panel, and press downward direction arrow(  ) button at the same time on cold off mode

6. **USB(client) download mode** : press power(  ) button and hold until "USB UPGRADE" appears on the front display