

strange bluetooth pairing woes

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2006-03/msg01446.html>

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 - *Date:* Mon, 13 Mar 2006 20:18:28 +0100
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hi,

i'm having some weird troubles pairing my mobile phone with my pc. bluetooth is up and running, i'm already using skype with a bluetooth headset (bound with btsc0 on login) and i can also transfer files to my phone with obexftp and transfer files from my phone to the pc. my phone's mac is bound automatically when bluetooth starts up to /dev/rfcomm0. /dev/rfcomm is perm 660 with group dialout and i am part of this group.

this is what works: i remove the paired device entry on my phone, remove the paired device entry in /var/lib/bluetooth/.../linkkeys and restart /etc/init.d/bluetooth. then i start kmobiletools and my phone asks if i want to add my pc and asks for the pin. i click ok and my pc asks for the same pin. then kmobiletools works, i also sent a sms to myself to test it. when i close kmobiletools and open it again it claims there was an error initializing the device, just if i had not paired them or chose the wrong device. the mac of my phone and the authentication string were successfully added to /var/lib/bluetooth/.../linkkeys.

obex file transfer showed me the same behaviour. when removing the pairing before i could read the root directory of my phone but when trying to get a level deeper or read the root directory again i get an error.

since today i cannot browse bluetooth devices in konqueror because of bluetooth:/ not being a valid protocol. i don't know how this happened, it worked yesterday. but that should not be the point here since the shown behaviour was the same.

i'm using all this stuff on sid with gnome. i created a symlink /etc/bluetooth/link_key -> /var/lib/bluetooth/.../linkkeys so i could watch the paired devices in the paired devices manager of kbluetoothd. and i also wonder why the addresses listed by the manager do not match my devices addresses, which are the phone, the headset and the bt usb dongle (dbt-120). maybe they mean something else, i just don't know. some config info follows below.

help appreciated,
oliver

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```
/etc/bluetooth/hcid.conf
options {
autoinit yes;
security user;ir once and deny successive attempts
pairing multi;
pin_helper /usr/bin/bluepin;
}

device {
name "%h-%d";
class 0xff0100;
iscan enable;
pscan enable;
lm accept;
lp rswitch,hold,sniff,park;
auth disable;
encrypt disable;
}

/etc/bluetooth/rfcomm.conf
rfcomm0 {
bind yes;
device 00:0E:07:6C:78:B9;
channel 2;
comment "K700i";
}

#/var/lib/bluetooth/00:13:46:05:A6:7A/linkkeys (permission is 600)
00:0D:44:0C:0F:75 AUTH-STRING-OF-HEADSET 0
00:0E:07:6C:78:B9 AUTH-STRING-OF-MOBILE 0

#hciconfig -a
hci0: Type: USB
BD Address: 00:13:46:05:A6:7A ACL MTU: 192:8 SCO MTU: 64:8
UP RUNNING PSCAN ISCAN INQUIRY
RX bytes:442 acl:0 sco:0 events:22 errors:0
TX bytes:330 acl:0 sco:0 commands:19 errors:0
Features: 0xff 0xff 0x8f 0x78 0x18 0x18 0x00 0x80
Packet type: DM1 DM3 DM5 DH1 DH3 DH5 HV1 HV2 HV3
Link policy: RSWITCH HOLD SNIFF PARK
Link mode: SLAVE ACCEPT
Name: 'flyricky-0'
Class: 0xff0100
Service Classes: Positioning, Networking, Rendering, Capturing
Device Class: Computer, Uncategorized
HCI Ver: 1.2 (0x2) HCI Rev: 0x632 LMP Ver: 1.2 (0x2) LMP Subver:
0x632
Manufacturer: Cambridge Silicon Radio (10)
```

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