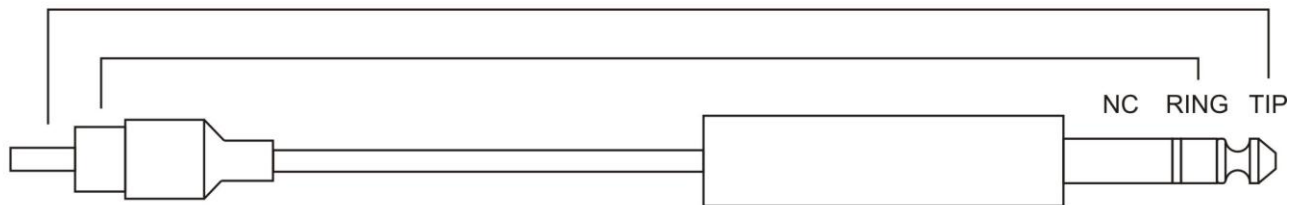**BROADCAST MIXER**

A broadcast mixer mostly has a Clean feed output that sums all signals coming from the input modules (except for those inputs where you can turn the clean feed signal off)
Clean feed signals are equivalent to Aux send signals, but are always post fader.
By turning off (by jumpers Or electronically) only those channels that are not returning Telephone Hybrid signals you avoid feedback and have a perfect set-up for talk shows.

AUDIO CONNECIONS TELEPHONE HYBRID TO AIRMATE

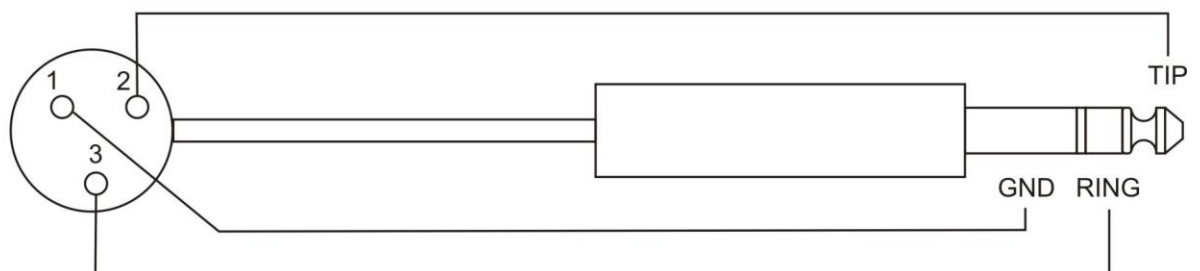## AIRMATE   TELEPHONE HYBRID

NC   RING   TIP

Cinch connector
Left cleanfeed output

Jack connector
Cleanfeed input

Tip   = Hot
Ring   = Colt
Shield = Not connected

AIRMATE channel 8   TELEPHONE HYBRID

TIP

GND   RING

XLR connector
Microphone input

Jack connector
Hybrid mic. level output

1 = Ground
2 = Hot
3 = Cold

Tip   = Hot
Ring   = Colt
Shield = Ground

NON BROADCAST MIXER

A universal audio mixer does not have Clean feed outputs that sums all signals coming from the input modules (except for those inputs where you can turn the clean feed signal off).
But these mixers do have AUX sends of course.
If you follow below steps you can have a perfect integration of a Hybrid in a regular mixer.

1. Use an Aux send buss that you can set to post fader in the channels.
2. Open up all AUX sends in all channels (set to post fader) except in the channel where you return The Hybrid-1 (or 2) signal.
3. Adjust the master Aux send control to get enough level to send to the Hybrid-1 (2) (Caller).
4. The Hybrid-1 has a very low output signal and need to be connected to a Microphone input.

Connections to the Mixer

1. The Telephone hybrid-1 input needs to be connected to an AUX send.
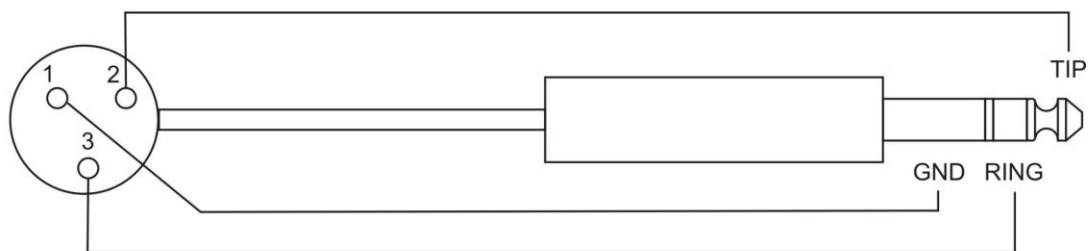
Tip to in Phase signal   (could be tip of a jack or pin 2 of an XLR)
Ring to Out of Phase   (could be ring of a jack or pin 3 of an XLR
Shield to ground.   (could be the shield of a jack or pin 1 of an XLR)

2. The Telephone hybrid-1 output needs to be connected to a Mic input.

Tip to in Phase signal   (pin 2 of an XLR)
Ring to Out of Phase   (pin 3 of an XLR
Shield to ground.   (pin 1 of an XLR)

AIRMATE channel 8   TELEPHONE HYBRID

TIP

GND   RING

XLR connector
Microphone input

1 = Ground
2 = Hot
3 = Cold

Jack connector
Hybrid mic. level output

Tip   = Hot
Ring   = Colt
Shield = Ground