

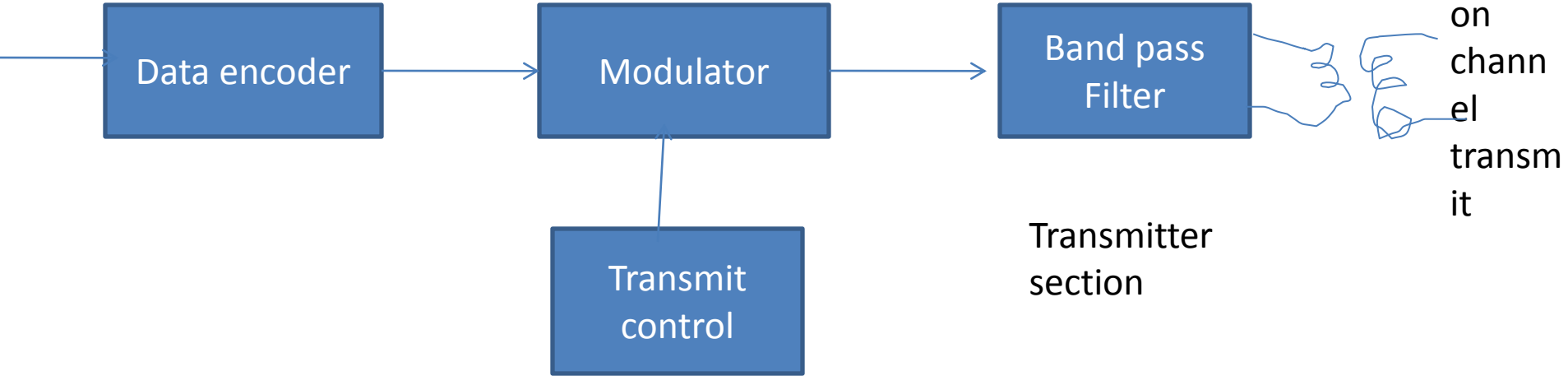
Active and Passive Satellite

- Passive Reflector (spherical balloon)
- Source of Energy

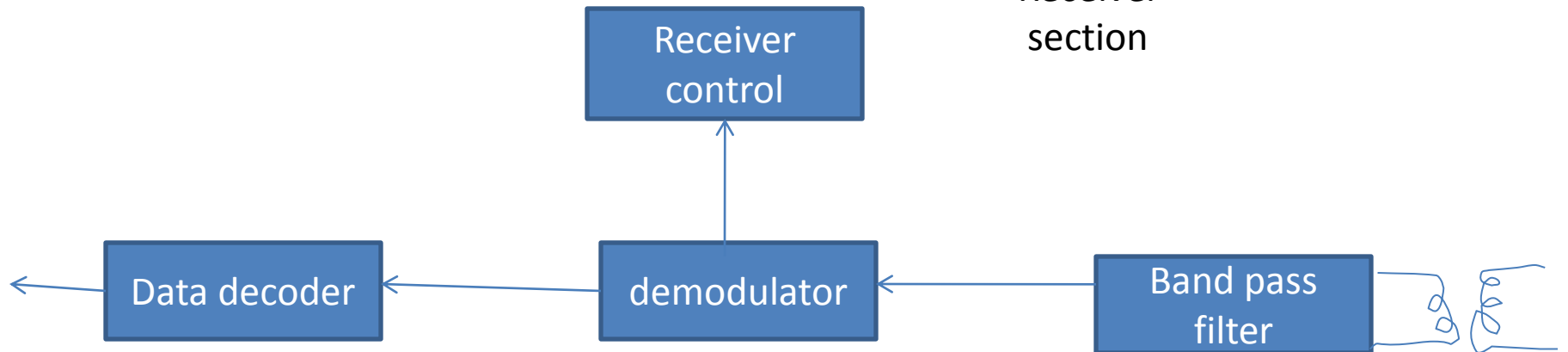
Modem and Codec

- Modem:
 - Modulator & Demodulator
 - Interface between analog and digital system
 - Imp. role in computer comm & ISDN system
- Codec:
 - Coding & Decoding
 - Digital television systems

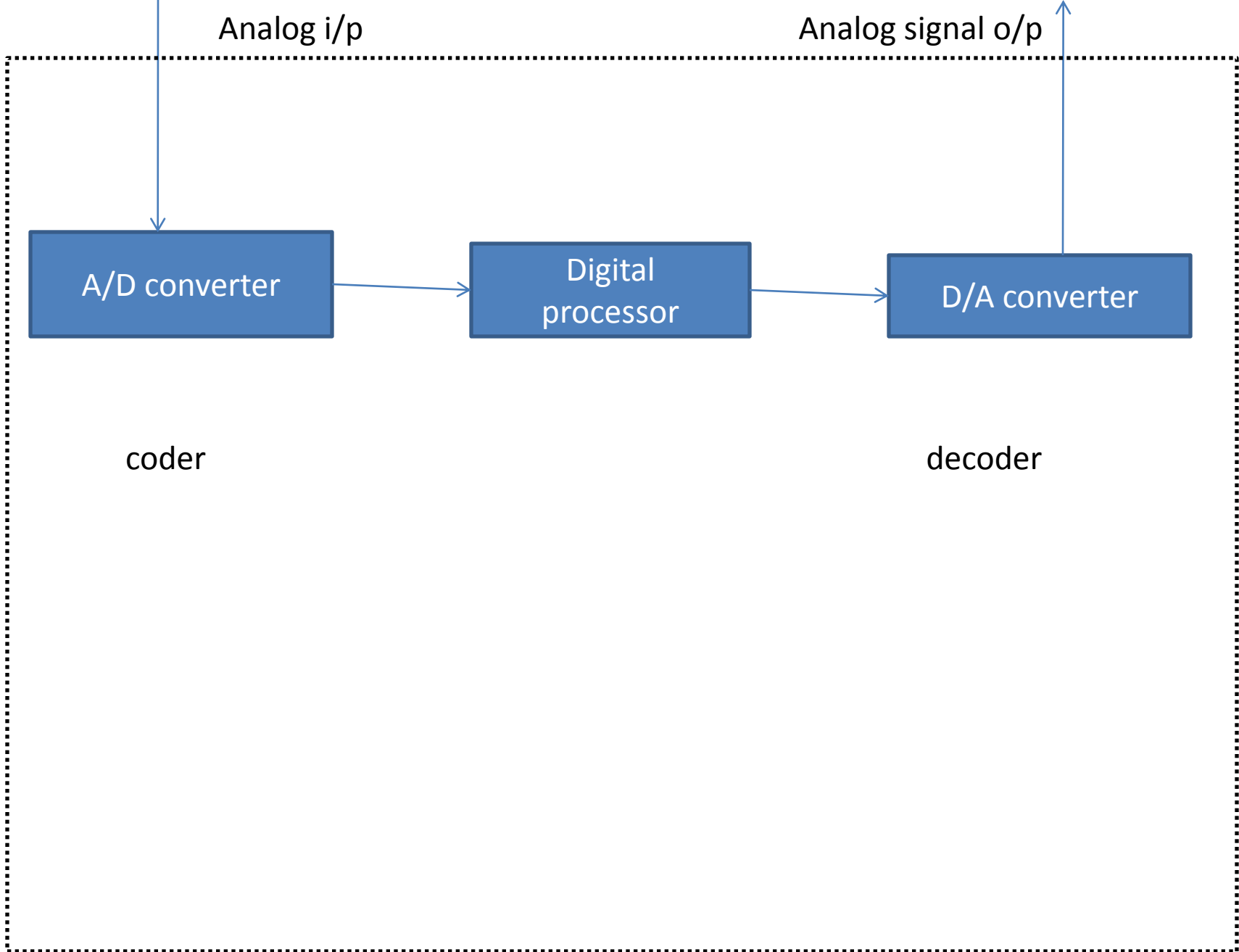
From
computer



Receiver
section



Comm. channel
receive data



Applications

- Fixed satellite communication system
- Broadcast satellite communication system
- Land mobile communication system
- Satellite internet access system
- Maritime satellite communication system
- Aeronautical satellite communication system

Services offered

- Voice services
 - telephony
 - Audio broadcasting
 - Voice conferencing
- Video and image services
 - Facsimile
 - Graphics
 - HDVT
 - Broad cast quality video

Services

- Data services
 - Electronic mail
 - Data base access
 - File transfer
 - Remote data monitoring
 - Electronic fund transfer
 - Short message transfer