

# RECEPTEURS NUMERIQUES AVANCEES



Component  
École Nationale  
Supérieure  
d'Électrotechnique  
d'Électronique  
d'Informatique  
d'Hydraulique  
et des  
Télécommunications

In brief

> **Code:** N8EN13

## Presentation

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### Description

The first part of this teaching unit is dedicated to technics used to design telecommunication digital receivers: multirate digital receivers, digital filter banks, synchronization algorithms. These techniques will be used in the design of a DVB receiver. The second part of this teaching unit is dedicated to spread spectrum systems (CDMA, UWB, CSS): dimensioning, performances, associated receiver.