

## Datasheet

# Carrot C-MX ECU Yamaha



The Carrot C-MX engine control unit is specially developed for managing MX bikes. It is a plug and play unit, what means it is interchangeable with the original electronics without modifications. The ECU is programmable to your wishes in combination with the available programming software. In addition to this, the Carrot C-MX ECU is offering various extra functions, like launch control, wheelie control, traction control, datalogging and many more.

### Application

- Advanced wheelie control strategy
- Integrated G-force and gyroscope sensor (3-axis)
- 2-phase launch control
- Full automatic hole-shot routine
- Programmable with user friendly software package
- 32MB datalogging memory
- Modern processor technology for faster response
- UEGO lambda control expansion
- Sensorless traction control
- Compatible with original handlebar-switch
- Map 1-2 selection possible during driving

- Plug and play ECU unit
- Integrated launch, wheelie and traction control
- 32MB datalogging memory
- CAN-bus communication & programming
- UEGO lambda control expansion

Internal barometric pressure sensor

Powershift function input

Injector output + second injector output

Fuel pump relay control output

### Suitable models MX bikes

Yamaha YZ250F (2019-2021)

Yamaha YZ450F (2019-2021)

### Technical Specifications

Plastic housing

Plug and play connector

Size 88mm x 96mm x 30mm (LxWxH)

Power supply: 9v to 16v

1x CAN communication bus

## Pricelist

# Carrot C-MX ECU Yamaha

| Part number | Description  | Price (ex. VAT) |
|-------------|--|-----------------|
| C-010-0011  | <p>C-MX ECU (Yamaha YZ250F/YZ450F 2019-2021)</p>  <p>Full programmable plug and play unit ready for installment. ECU comes standard with 2 pre tuned mappings.</p> <p>Included in box:</p> <ul style="list-style-type: none"> <li>• Carrot C-MX ECU</li> <li>• Diagnostic connector key</li> <li>• Quick-start manual</li> </ul>  | €745,-          |
| C-020-0020  | <p>Communication Interface (Yamaha YZ250F/YZ450F 2019-2021)</p>  <p>Communication interface used in combination with the Carrot C-MX Management software and datalogging functionality.</p> <p>Included in box:</p> <ul style="list-style-type: none"> <li>• Communication interface</li> <li>• USB-memory stick with software/mappings/manuals</li> <li>• Datalog software license</li> <li>• Quick-start manual</li> </ul> <p>Software/updates free downloadable from our website:<br/> <a href="http://www.carrotps.com">www.carrotps.com</a></p> | €295,-          |
| C-020-0100  | <p>Carrot UEGO controller MX (Yamaha YZ250F/YZ450F 2019-2021)</p>  <p>UEGO lambda expansion for C-MX ECU</p> <p>Included in box:</p> <ul style="list-style-type: none"> <li>• UEGO lambda controller</li> <li>• Adapter wiring loom Yamaha</li> <li>• Quick-start manual</li> </ul>   | €275,-          |
| C-030-0009  | <p>Bosch LSU4.9 wide-band sensor</p>  <p>Wide band lambda sensor for measuring exhaust gas mixture in combination with UEGO controller.<br/>Original Bosch LSU4.9</p>   | €135,-          |