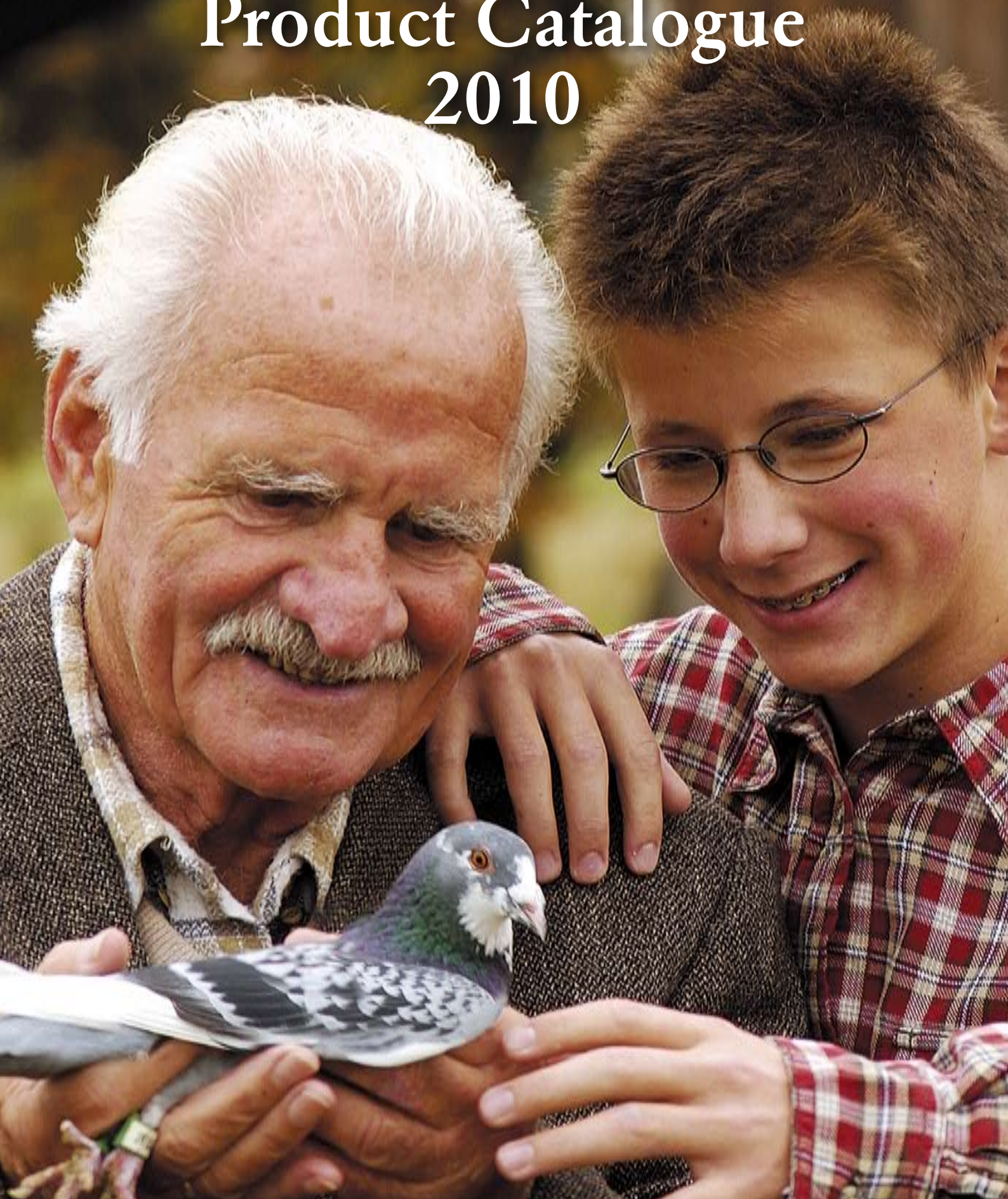


# Product Catalogue 2010



**BENZING**

Innovation through Tradition. Since 1863.

# BENZING M1

Easy

Secure

Innovative

Handy



## The revolution in pigeon sport

The BENZING M1 clocking device uniquely combines the simplest operation with technological complexity, and in this respect is therefore a revolutionary development of pigeon clocks. Rubberised keys, an extra large LED display and a revolutionary "self-help" user guidance system: With these features, the BENZING M1 will inspire enthusiasm in all pigeon fanciers who value simple and logical operation of their clock.

### The Advantages:

- Unique and simple user guidance
- Extra-large display for clear legibility
- Large rubberised buttons
- Management of up to 1,000 pigeons and 4 fanciers
- USB allows convenient transfer of statistical data to the PC at home
- Easy software update
- Genuine antenna- and ring test
- Supports 2nd clock in the loft (Multi-Clock)
- Pigeon velocity on display
- Information input and output without mains connection (battery powered)
- Up to 32 Lazer (PLB) antennas can be connected
- Up to 47 simultaneous flights possible
- Supports up to 300 m (1000 feet) connection cable
- Includes 10 m (33 feet) connection cable and efficient power supply
- Optional continuous clocking with the BENZING Continuous Clocking (INN)

### Connections:

- 1x DB15(F) to connect the antenna cable
- 1x USB for PC
- 1x Power connection

# Set Components – BENZING M1

## Cable BENZING M1 Fancier



Cable for connecting the BENZING M1 directly to PLB loft antennas.

### Facts:

- Plug: DB15(M) (M1) to DB9(F) (PLB)
- Power connection socket on the DB9 plug incl. LED for power indication

Article	Art.No.
Cable BENZING M1 Fancier 10m	198283
Cable BENZING M1 Fancier 25m	294078

## Power Supply, 120V US 1.5A



Power supply for the BENZING M1, atis TOP and PLB antennas.

### Facts:

- Connector: USA 2 Pin
- Input voltage: 120V/230V 1.5A
- Output voltage: 12V
- Max. output current: 1500mA

Article	Art.No.
Power supply, 230V	927927
Power supply, 120V US 1.5A	911377

## Cable USB 1.1 A-B, 1.8m



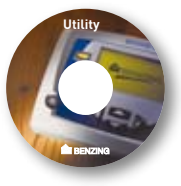
Cable for connecting the BENZING M1 to the PC for transferring data.

Article	Art.No.
BENZING Cable USB, 1.8m	197383

## CD BENZING Utility

## Battery 1.5 Alkali AA BENZING

## Inbuskey 2mm



Article	Art.No.
CD BENZING Utility	205878
Battery 1.5 Alkali	198081
Inbuskey, 2mm	210773

# Accessories - BENZING M1

## Carrying bag



Carrying bag for the BENZING M1, atis TOP and EXPRESS.

Article	Art.No.
BENZING M1 Carrying bag	334477

## PLB Antennas

### PLB 170

17 x 30 cm



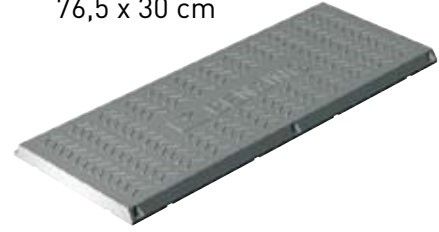
### PLB 475

47,5 x 30 cm



### PLB 765

76,5 x 30 cm



## The impressive prove of BENZING's lead in pigeon sports

The BENZING PLB antennas have up to 12 antenna fields in two rows, so they act like 2 regular antennas behind each other for double security. With this antenna every pigeon gets timed regardless where it lands. There are no more blind spots and so no more tunnels needed.

### Facts:

- Flat panel with only 2,7cm (1 inch) thickness
- Available in three sizes: 76x30cm (30"x12"), 47x30cm (18"x12") and 17x30cm (7.5"x12")
- Double security - pigeons are timed twice
- Flat and water resistant
- Antennas can be placed side by side
- Pigeons are timed over the entire surface with no dead zones
- Up to 12 overlapping sensor coils for one PLB antenna
- Supports up to 300 m (3000 feet) connection cable
- 3m (10 feet) connecting cable included

### Connections:

- 1x DB9(F)
- 1x DB9(M)

Article	Art.No.
PLB 170 Set	898025
PLB 475 Set	897933
PLB 765 Set	897832

## loftPOINT

With the BENZING loftPOINT you can realise any antenna layouts. It provides DB9 connections for PLB antennas and a PMDIN connection for existing old system configurations. The loftPOINT thus replaces numerous adapters such as the AB1 PRO or CNN.



### Connections:

- 2x power connection
- 2x DB9(F) for PLB antennas
- 1x DB9(M) for the PLB antennas or the BENZING M1 fancier cable
- 1x PMDIN socket for conventional systems (atis TOP)
- 2x LED for power supply and data transfer

Article	Art.No.
loftPOINT	240271
loftPOINT with SNN Function	310269
PLB Terminator plug SNN	930214

## PLB Power adapter

In very large pigeon lofts with more than three PLB 765, six PLB 475 or ten PLB 170 this adapter enables the connection of an additional power supply.



### Connections:

- 1x power connection
- 1x DB9(M) for PLB antenna
- 1x DB9(F) for PLB antenna
- 1x LED for power supply

Article	Art.No.
PLB power adapter	247581

# BENZING Station

## The security of a second clock

The BENZING Station is the ideal completion to the BENZING M1, and a must for all fanciers if they would like to get the most out of their clocking system. It offers a variety of functions and combines clubPOINT and INN all in just one unit.



### The Advantages:

- Easy to handle thanks Plug & Play
- Continuous clocking without the BENZING M1 clock
- Additional storage (backup) of all flight data
- Connection for matrix and laser printers
- SMS messaging via mobile phones/modem
- Compatibility with the existing equipment
- Highly-audible sound signals
- High security

### Connections:

- 1x DB9(F) for PLB antennas
- 1x PMDIN socket for older antennas
- 1x DB25(F) parallel printer interface
- 1x DB9(M) to connect PC or SMS modem
- 1x power connection

Article	Art.No.
BENZING Station	362478
BENZING Station Belgium	565079

## Set Components – BENZING Station

### Cable Adapter BENZING Station



To use the 10m cable shipping with the BENZING M1 instead of the regular PLB cable (DB15f to DB9m plug)

Article	Art.No.
Cable Adapter BENZING Station	368080

## Accessories – BENZING Station

### Modem GSM for SMS function



GSM modem for the BENZING Station to send a SMS at the arrival of a pigeon.

### Facts:

- Tri-Band GSM/GPRS
- 900/1800/1900 MHz

Article	Art.No.
Modem GSM for SMS function	896023

# BENZING Express G2

User friendly

Innovative

Secure

Reliable



## The Next Generation EXPRESS clock

After the large success of the EXPRESS clocking system, we did totally overhaul its design and created the next generation clock BENZING Express G2. It is the ideal solution for all smaller pigeon lofts or newcomers in the pigeon sport, as it comes with all the important features in the highest technological version, but remains at the same time focussed on the essentials, so it can score in the market with the best price.

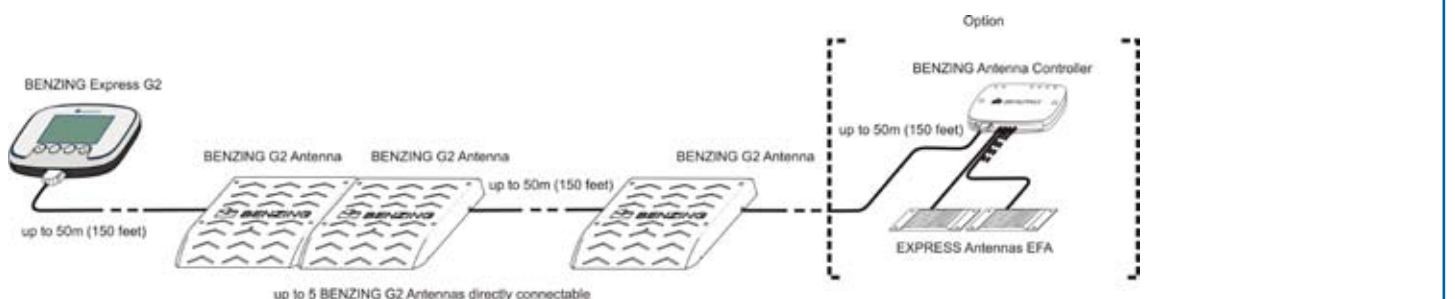
### The Advantages:

- Exceptional value for money
- Memory for 250 pigeons und 8 simultaneous races
- Supports up to 100m (300 feet) of cable between the antennas
- High clocking speed (20 pigeons per second)
- Compatible with existing Express antenna (up to 8)
- Full graphic display of all the information
- Use of a modern, powerful CPU
- Easy and ergonomic handling
- Portable unit for table or wall mounting
- Optional emergency power supply for up to 6 hours (BENZING Express G2 DOC)
- Optional continuous clocking with the BENZING Continuous Clocking (INN)

### Connections:

- 1x DB9(F) for the BENZING Antenna Controller

Article	Art.No.
BENZING Express G2, fancier cable, 5m	665080
PLB adapter	247581



# Accessories – BENZING Express G2

## BENZING Express G2 DOC



### The docking station for the BENZING Express G2

Clocking without any gaps, even in the event of a power surge or outage. Guaranteed by the BENZING Express G2 DOC, especially designed as an emergency power supply for our clocking system.

#### The Advantages:

- Elegant and small housing
- Back-Up power protection up to 5 hours
- Integrated rechargeable battery
- USB connector for convenient transfer of data to the PC at home
- Possibility for future upgrades/add-ons

#### Connections:

- 1x DB9(F) for the BENZING Antenna Controller
- 1x USB for the PC
- 1x power connection

Article	Art.No.
BENZING Express G2 DOC	657182

## BENZING G2 Antenna



Antenna for extension of the BENZING Express G2 System.

#### Facts:

- Suitable for use with BENZING Express G2 and BENZING M1
- Flat and water-resistant
- Arrangement side by side
- Maximum clocking speed
- Status display LED
- Wide reading range
- Up to 50m connecting cable

#### Connections:

- 1 DB9(F)
- 1 DB9(M)

Article	Art.No.
BENZING G2 Antenna	824582
BENZING G2 fancier cable 0,25 m	890686
Cable PLB USC 5m	914822
Cable PLB USC 10 m	914923
Cable PLB USC 25 m	293986



## BENZING G2 tunnel set



Tunnel and bob wire for the BENZING G2 Antenna.



Article	Art.No.
BENZING G2 tunnel set	911781



## For the enjoyable work in the club

The new BENZING ClubSystem is available! It is even better than clubPOINT and CAN, as the functionalities of both units have now been combined into a single unit, the BENZING ClubSystem. All of the tasks within the Club have now become child's play, based on the well-known user friendliness of the BENZING M1.

### The Advantages:

- Modern design with CAN and clubPOINT in a single unit
- Large time and date display
- Support for a radio clock and GPS clock
- Keys to manually set the date and time
- Additional USB port for the PC
- Easily accessible connections
- Loud acoustic signals
- Improved and faster reading/writing of the electronic chip rings
- Easy software download
- Support for the new BENZING Pro chip rings

### Connections:

- 1x DB25(F) parallel printer interface
- 1x DB9(M) for PC
- 1x USB for PC
- 1x DB9(M) for the radio or GPS clock
- 2x PMDIN plugs for the clocks
- 1x DB9(F) expansion plug
- 1x Power connection

## BENZING ClubSystem Basic



The BENZING ClubSystem Basic has the same functions as BENZING Clubsystem except display and the USB-connection.

# BENZING ClubSystem Set Components

## Cable BENZING Club 1.5m



Universal cable for connecting the BENZING M1, the BENZING Express G2, the atis TOP or the BENZING Station to the BENZING ClubSystem.

### Facts:

- Connector plug: DB15(M) to DB9 (M) to DB9 (M) and PMDIN(M)
- Length: 1.5m



Article	Art.No.
Cable BENZING Club 1.5m	736887

## Cable PC RS232 & Cable USB 1.1 A-B



For connecting the pigeon loft with the PC respectively the BENZING Station with the PC. Please only use original BENZING cable because this is a crossed cable!

Cable for connecting the BENZING M1 to the PC for transferring data.

Article	Art.No.
Cable PC RS232 3m	253717
BENZING Cable USB, 1.8m	197383

## Authorisation cards



Authorisation cards for the BENZING ClubSystem in order to blocked applications.

### Facts:

- RED - register
- YELLOW - basket
- GREEN - evaluate

Article	Art.No.
Authorisation card 3 key set	552479
Authorisation card 2 key set	766486

## Power supply 120 V/230 V, 0.5A



Power supply for the BENZING ClubSystem.

Article	Art.No.
Power supply 230V UK	664887
Power supply 230 V EU	664786
Power supply 120 V US	664988

# BENZING ClubSystem Accessories

## Radio clock with display



Radio clock or for precise time signal reception for the BENZING Clubsystem.

### Connections:

- 1x DB9(F) for BENZING Clubsystem

## GPS Receiver SIRF III



GPS receiver for precise time signal reception by satellite for the BENZING Clubsystem.

### Facts:

- LED status display
- SIRF 3 receiver

Article	Art.No.
GPS Receiver SIRF III	550780



## BR Chip-Rings



### Sold million times - the most successful Chip Code Ring from BENZING

The BR chip code ring is one of the fastest and most powerful chip code rings on the market. Patented manipulation protection, additional memory for important fancier data and an extensive read/write range add up to the ideal chip ring for your BENZING system. BENZING is the only company that offers chip code rings in three colours: It is therefore rather easy to designate a different colour code to different groups of pigeons (for example old or young, male or female pigeons).

#### Facts:

- Wide Range
- Fast and high performance
- Featherweight
- Available in 3 colours

Article	Art.No.
Chip Code Ring BR, blue	833014
Chip Code Ring BR, green	447318
Chip Code Ring BR, red	833115

## BENZING Pro Chip-Rings



### The new 256 Bit Chip Ring from BENZING

The new BENZING Pro chip code ring is the further development of our successful BR chip code ring. Based on the new HITAG-S Chip from Philips we can provide now an even faster and secure scanning of the pigeon. This is achieved through a higher reading range and faster data communication. This chip was specially designed by Philips for the needs of pigeon sports. The patented manipulation protection guarantees the writing of a unique secret code into the memory at every basketing. Also here we can provide the 3 colours (red, green and blue) to mark different pigeons (for example old or young).

#### Facts:

- Specially designed from Philips for the pigeon sports
- Highest Read/Write range
- Fast and high performance
- Featherweight
- Available in 3 colours

Article	Art.No.
BENZING Pro Chipring, blue	562379
BENZING Pro Chipring, green	562480
BENZING Pro Chipring, red	562581
BENZING Pro Chipring NPO, blue	775789

# BENZING Cable

## Antenna cable DB9



Cable for extending the connection between the PLB loft antennas.

**Facts:**

- Plug: DB9(M) to DB9(M)

**This cable is not suitable for the SNN function  
(see cable PLB SC)**

Article	Art.No.
Cable PLB USC 5m	914822
Cable PLB USC 10m	914923
Cable PLB USC 25m	293986

## Antenna cable shielded for SNN



Cable for extending the connection between the PLB loft antennas with SNN function.

**Facts:**

- Plug: DB9(M) to DB9(F)
- This cable is suitable for the SNN function!

Article	Art.No.
Cable PLB SC 5m, shielded	915015
Cable PLB SC 10m, shielded	915116

## Cable BENZING M1 Fancier



Cable for connecting the BENZING M1 directly to PLB loft antennas.

**Facts:**

- Plug: DB15(M) (M1) to DB9(F) (PLB)
- Power connection socket on the DB9 plug incl. LED for power indication

Article	Art.No.
Cable BENZING M1 Fancier 10m	198283
Cable BENZING M1 Fancier 25m	294078

## Cable BENZING M1 Club



Cable for connecting the BENZING M1 with the pigeon loft or with the atis TOP system modules.

**Facts:**

- Connector plug: DB15(M) (M1) to PMDIN(M)
- Length: 1.5m

Article	Art.No.
Cable BENZING M1 Club 1.5m	199082

## Cable USB 1.1 A-B, 1,8m



Cable for connecting the BENZING M1 to the PC for transferring data.

Article	Art.No.
BENZING Cable USB, 1.8m	197383

# BENZING Cables

## Cable PC RS232 3m



For connecting the pigeon loft with the PC respectively the BENZING Station with the PC. Please only use original BENZING cable because this is a crossed cable!

**Facts:**

- Plug: DB9(F) to DB9(F) crossover
- Length: 3m

Article	Art.No.
Cable PC RS232 3m	253717

## Adapter cable 4pol 50cm



Cable for connecting PMDIN cables to a MDIN system cable.

**Connections:**

- 1x PMDIN (M)
- 1x MDIN (F)

Article	Art.No.
Adapter cable 4pol 50cm	658322

## Cable EXPRESS Club 0.5m



For connecting the EXPRESS to the BENZING ClubSystem.

**Facts:**

- Plug: DB25(F) (EXPRESS) to PMDIN(M)
- Length: 0.5m

Article	Art.No.
Cable EXPRESS Club 0.5m	772723

## Cable with PMDIN



Cable for extending the connections of the atis TOP system.

**Facts:**

- Plug: PMDIN(M) to PMDIN(M)

Article	Art.No.
Cable PMDIN 10cm	626014
Cable PMDIN 1.5m	209276
Cable PMDIN 5m	915217
Cable PMDIN 10m	915318
Cable PMDIN 30m	915419

## SystemCable 4pol MDIN/MDIN



This cable is used for connecting the components of the atis SAN loft antenna system.

**Facts:**

Plug: MDIN (M) to MDIN (M)

Article	Art.No.
System cable 4pol 10m MDIN/MDIN	814213
System cable 4 pol 30m MDIN/MDIN	814232

# BENZING Nodes

## loftPOINT



With the BENZING loftPOINT you can realise any antenna layouts. It provides DB9 connections for PLB antennas and a PMDIN connection for existing old system configurations. The loftPOINT thus replaces numerous adapters such as the AB1 PRO or CNN.

### Connections:

- 2x power connection
- 2x DB9(F) for PLB antennas
- 1x DB9(M) for the PLB antennas or the BENZING M1 fancier cable
- 1x PMDIN socket for conventional systems (atis TOP)
- 2x LED for power supply and data transfer

Article	Art.No.
loftPOINT	240271
loftPOINT with SNN function	310269
PLB Terminator plug SNN	930214

## PLB Terminator plug



This plug is only required if used in combination with the SNN Pro or loftPOINT with SNN function. It has to be plugged at the very end of the last PLB antenna to terminate the bus.

Article	Art.No.
PLB Terminator Plug	930214

# BENZING Printer Node

## BENZING Continuous clocking (INN)



### Facts:

- Supports BENZING M1, BENZING Express G2 and atis TOP
- Up to 250 pigeons will be able to time
- Information such as time, pigeon number and antenna serial number is stored

### Connections:

- 1 x DB9 (F) and x DB 9 (M)
- 1 x power connection



Article	Art. No.
BENZING Continuous clocking (INN)	911882

## clubPOINT with Cable



Node for the connection of the BENZING ClubSystem to the PC or for printing at the loft. A 1.5m PMDIN cable is delivered with the clubPOINT.

### Connections:

- 1x Parallel printer interface
- 1x DB9 (M) for PC
- 1x DB9 (M) for radio clock
- 1x power connection
- 3x PMDIN socket
- 3x LED for power and data transfer

Article	Art.No.
clubPOINT with cable	173478

# BENZING Accessories

## Power supply, 120V US 1.5A



Power supply for the BENZING M1, atis TOP and PLB antennas.

**Facts:**

- Connector: USA 2 Pin
- Input voltage: 120V
- Output voltage: 12V
- Max. output current: 1500mA

Article	Art.No.
Power supply, 120V US 2A	911377

## Power supply, 230V EU 1.5A



Power supply for the BENZING M1, atis TOP and PLB antennas.

**Facts:**

- Connector: EURO 2 Pin
- Input voltage: 120V
- Output voltage: 12V
- Max. output current: 1500mA

Article	Art.No.
Power supply, 230V EU 1.5A	927927

## Power supply, 120V US 0.5A



Power supply for the BENZING Express G2 and the BENZING ClubSystem.

**Facts:**

- Connector: USA 2 Pin
- Input voltage: 120V
- Output voltage: 12V
- Max. Output current: 500mA

Article	Art.No.
Power supply, 120V US 0.5A	664988

## Power supply, 230V EU 0.5A



Power supply for the BENZING Express G2 and the BENZING ClubSystem.

**Facts:**

- Connector: EURO 2 Pin
- Input voltage: 230V
- Output voltage: 12V
- Max. Output current: 500mA

Article	Art.No.
Power supply, 230V EU 0.5A	664786
Power supply, 230 V UK 0.5A	664887

## Battery cable Set



Battery cable set to power the clocks in case of power failure. The cable can either be connected to a car battery or into a 12V car cigarette lighter plug.

**Facts:**

- Clamb for car battery
- Cigarette lighter plu

Article	Art.No.
Battery cable Set	818006

## Ring pliers



Ring pliers for opening up the chip rings without damaging them.

Article	Art.No.
Ring pliers , red	493824
Ring pliers, blue	493925

# Preceding Systems - BENZING Nodes

## atis ANN, MDIN



Node for connection of the SAN antennas and the atis TOP in the loft.

### Connections:

- 1x power connection
- 2x MDIN socket
- 1x PMDIN plug (M)
- 2x LED for power and data transfer

Article	Art.No.
atis ANN, MDIN	547824

## atis DNN, PMDIN



Distributor box for a star-shaped wiring of the loft antennas with PMDIN connection.

### Connections:

- 1x power connection
- 5x PMDIN socket

Article	Art.No.
atis DNN, PMDIN	469019

## atis CNN, PMDIN



Distributor box for a star-shaped wiring of the appliances with PMDIN connection in the club or in the pigeon loft.

### Connections:

- 1x power connection
- 3x PMDIN socket
- 1x PMDIN plug (M)
- 2x LED for power and data transfer

Article	Art.No.
atis CNN, PMDIN	625720

## AB2



Adapter for the connection of 2 PMDIN cables.

### Connections:

- 1x power connection
- 2x PMDIN socket

Article	Art.No.
AB2	927624

## BENZING Antenna Controller



The BENZING Antenna Controller expands the BENZING Express G2 system with 4 EFA antennae. The connection cable can be up to 100m (300 feet) to the BENZING Express G2 or to further BENZING Antenna Controller. This enables a flexible build-up of the pigeon loft.

Article	Art.No.
BENZING Antenna Controller	642277

## EXPRESS Antenna



One field antenna as an extension of the BENZING Express G2 system.

### Facts:

- Cable length: 3m; with tunnel available
- 1x jack plug for BENZING antenna controller

Article	Art.No.
EXPRESS Antenna incl. Tunnel	444416
EXPRESS Antenna	231574

## Features of the BENZING M1 - BENZING Express G2

	BENZING M1 	BENZING Express G2 
Memory for pigeons	1000	250
Number of simultaneous races	47	8
Number of fanciers in one clock	4	1
Training flights	✓	✓
CPU	32 Bit	8 Bit
Full graphic display	✓	✓
Number of BENZING G2 antennas	5	5
Number of separate arrival lists	48	1
Languages	5	1
Software printer manager	✓	✓
Online Race Evaluation	✓	✓
Continuous clocking possibility (INN)	✓	✓
Maximum antenna cable lengths	300m	100m
Number PLB antennas	32	
Number of SAN antennas	8	
USB connector	✓	
List of missing pigeons	✓	
SMS textmessage of arrived pigeons	✓	
Season map	✓	
Pooling	✓	
Speed calculation & countdown	✓	
2nd clock in the loft (Multi-Clock)	✓	
Race history	✓	
Battery powered	✓	
Couple@home	✓	
Register@home	✓	
Marking of pigeons	✓	
e-Loft support	✓	
Realtime printing of arrived pigeons	✓	
Software update of the PLB antennas	✓	
Printerpaper setup	✓	
One Loft Race support	✓	
Couple pigeons without PC	✓	
Full backup possibility (data backup)	✓	
Antenna connection analyser	✓	

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