

# Ultra Score Data Out Protocol (for Gymnastics)

The Data Out function of Ultra Score program can export the real time timing and scoring data with UDP broadcast.

The broadcast is on port **2800**. Any software in the same network as Ultra Score can listen on this port to receive the real time data.

## 1. Athlete List Data (Sort by starting order)

Item	Length	
Head	2 BYTE	0xFF 0xFE
System ID	1 BYTE	Identify each system in one stadium. 0x01 by default.
ID	1 BYTE	0x11 for result list data
Length	2 BYTE	0x2C 0x01 (Length=300)
Athlete 1	Number	1 BYTE Ex: 0x01 means athlete No 1. 0x00 means no athlete.
	Result	6 BYTE Result in ASCII format. Ex: 0x39 0x2E 0x35 0x32 0x00 for "9.52"
	Rank	3 BYTE Rank in ASCII format. Ex: 0x31 0x32 0x00 for "12"
Athlete 2	Number	1 BYTE
	Result	6 BYTE
	Rank	3 BYTE
...	...	
Athlete 30	Number	1 BYTE
	Result	6 BYTE
	Rank	3 BYTE
Foot	2 BYTE	0xFD 0xFC

## 2. Current Athlete Data (for Artistic Gymnastics and Rhythmic Gymnastics)

Item	Length	
Head	2 BYTE	0xFF 0xFE
ID	1 BYTE	0x12 for current athlete data
System ID	1 BYTE	Identify each system in one stadium. 0x01 by default.
Length	2 BYTE	0x82 0x00 (Length=130)
Athlete Number	1 BYTE	Ex: 0x01 means athlete No 1.
Result	6 BYTE	Result in ASCII format. Ex: 0x39 0x2E 0x35 0x32 0x00 for "9.52"
Rank	3 BYTE	Rank in ASCII format.
Difficulty Score	6 BYTE	In ASCII format.

Execution Score	6 BYTE	In ASCII format.
Execution Penalty	6 BYTE	In ASCII format.
Reserved	102 BYTE	
Foot	2 BYTE	0xFD 0xFC