CLAIMS

1. Interface box ~~(20)~~ for interfacing between at least one first radio communication apparatus ~~(41)~~ and one or more external items of equipment ~~(44, 47)~~, said interface box being passive, characterized in that it comprises at least the following elements:

- ~~A~~ a first socket S1 dedicated to the first radio communication apparatus ~~(41)~~,
- a second socket S2 dedicated to a second radio communication apparatus,
- ~~A~~ a ~~second~~ third socket ~~S2~~ S3 adapted to ensure ~~the~~ a link between the first apparatus and a geolocation device,

~~- A third socket S3 adapted to ensure the link between the first radio apparatus and an exterior Ethernet peripheral,~~

- ~~A~~ a fourth socket S4 adapted to ensure an Ethernet link with a charger ~~(4)~~,
- ~~A~~ a fifth socket S5 adapted to ensure a link with a USB peripheral,
- ~~A~~ a sixth socket S6 adapted to ensure a link with a USB peripheral,
- ~~An~~ an eighth socket S8 ~~adapted to ensure the~~for a connection to discreet offsets,~~between the first radio apparatus and a test device, characterized in that it comprises~~
- ~~A~~ a seventh socket S7 dedicated to a ~~second radio apparatus (42) and to the~~ loopback of an Ethernet link of the first radio communication apparatus ~~(41)~~ to an "EthA1/ B2" Ethernet connector of the interface box, via a ~~dedicated~~ loopback plug placed on the second socket S2 of the interface box in the absence of the second radio apparatus.

2. Interface box according to Claim 1, characterized in that the said sockets comprise contacts ~~are~~ assigned in the following manner:

- ~~The~~ the third socket ~~of the geolocation device~~S3 comprises two contacts assigned to transmission TX, reception RX signals of an RS232

link and one contact assigned to a 1 PPS signal and a contact assigned to the electrical earth,

- ~~The~~ the fourth socket ~~of the Charger~~S4 comprises four contacts assigned to ~~two pairs of~~ an Ethernet line Channel of the first radio communication apparatus ~~(41)~~, a contact assigned to a signal allowing ~~TOP_H_Cluster~~ time keeping, four other contacts for the electrical earth,
- ~~The~~ the fifth socket S5 comprises two contacts assigned to a ~~pair of the~~ differential serial Data link, a contact for the electrical earth and a contact for the power supply of a USB peripheral,
- ~~The~~ the sixth socket S6 possessing the same characteristics as the socket S5,
- ~~The~~ the seventh ~~"EthA1/ B2" Ethernet~~ socket S7 comprises four contacts assigned to ~~two pairs of~~ an Ethernet line Channel A1, a contact assigned to ~~a~~ the signal allowing time keeping, ~~TOP_H_Cluster,~~ four contacts for the electrical earth,
- ~~The~~ the loopback plug is placed on the socket S2 in the absence of a second radio communication apparatus,
- ~~The~~ said contacts ~~pairs~~ assigned to the Ethernet line Channel A1 are linked to channel A1 of ~~the~~ an Ethernet line of the socket S1,
- ~~In~~ in the case of use with two radio communication apparatuses, the second socket S2 of the second apparatus comprises four contacts assigned to ~~the two pairs of~~ an active Ethernet line Channel B2, in the absence of the second radio communication apparatus and after application of the loopback plug on this socket,
- ~~The~~ the eighth ~~"discreet offset"~~ socket S8 comprises a contact assigned to an On/Off control of a radio communication apparatus, four contacts assigned to a control of the "black discreets" platform, a contact assigned to the ~~TOP_H_Cluster~~ signal allowing time keeping, a contact for the electrical earth.

3. A system comprising an interface box according to one of Claims 1 or 2, said first radio communication apparatus connected to the first socket S1 of the

interface box, said second radio communication apparatus connected to the second socket S2 of the interface box, said geolocalisation device connected to the third socket S3 of the interface box, said charger connected to the fourth socket S4 of the interface box, said first USB connected to the fifth socket S5 of the interface box, said second USB connected to the sixth socket S6 of the interface box, said Ethernet EthA1/B1 connected to the seventh socket S7 of the interface box, and a discreet control box connected to the eighth socket S8 of the interface box.

~~34~~34. The system of claim 3, wherein~~Interface box according to one of Claims 1 or 2, characterized in that the sockets are assigned in the following manner~~:

- ~~The socket DA1 of~~ the first radio communication apparatus ~~(41) comprises~~ includes a socket DA1 comprising four contacts assigned to ~~two pairs of an~~the Ethernet line Channel A1 which are connected by the interface box to the channel A2 of the socket DA2 of the second radio communication apparatus ~~(42)~~,

~~- The socket for the geolocation device comprises two contacts assigned to transmission TX, reception RX signals of an RS232 link, one contact assigned to a 1_PPS signal and a contact assigned to the electrical earth,~~

~~- The socket of the Charger comprises four contacts assigned to the two pairs of the Ethernet line Channel B1 of the first apparatus, a contact assigned to the TOP_H_Cluster signal, four contacts for the electrical earth,~~

~~- The socket for a first USB connection comprises two contacts assigned to a pair of the differential serial Data link, another contact for the electrical earth and another for the power supply of the USB peripheral,~~

~~- The socket for the second USB connection comprises two contacts assigned to a pair of the differential serial Data link, and another contact for the electrical earth and another for the power supply of the USB peripheral,~~

~~- The "EthA1/ B2" Ethernet socket comprises four contacts assigned to the two pairs of an Ethernet line Channel B2, one contact assigned to the TOP_H_Cluster signal, four other contacts for the electrical earth,~~

- ~~The socket DA2 of~~ the second radio communication apparatus comprises a socket DA2 comprising four contacts assigned to the ~~two pairs of an~~ Ethernet line Channel A2 which are connected by the interface box to channel A1 of the socket DA1 of the first radio communication apparatus ~~(41),~~

~~- The "discreet offset" socket comprises a contact assigned to the On/Off control of the first and of the second radio apparatus, four contacts assigned to the control of the "black discreets" platforms of the first radio apparatus and of the second radio apparatus, a contact assigned to the TOP_H_Cluster signal, a contact for the electrical earth~~.